

Test Name	PLY, PIR, rep 3
Cladding	Plywood
Cladding Thickness [mm]	12
Insulation	Polyisocyanurate (PIR) foam
Insulation Thickness [mm]	100
Cavity Width [mm]	50
Repetition Number	3
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of a Plywood cladding panel and a Polyisocyanurate (PIR) foam insulation panel, separated with a cavity of 50 mm width. It is the third repetition of this system configuration.
Experiment Notes	At approximately 4 minutes the plywood panel began to touch the insulation panel, affecting the mass measurements. At approximately 5 minutes the plywood panel began to collapse, causing a sudden change in the mass measurements as debris fell into the debris tray, onto both load cells, or off the entire assembly.
Peak HRR [kW]	215
Time to Peak HRR [mins]	5.28
Residual HRR [kW]	8.89
Total HR [MJ]	72.1
Peak dQ/dt [kW/s]	1.7
Time to Peak dQ/dt [s]	3.28

Test Time [s]	Heat Release Rate HRR [kW]	HRR Smoothed [kW]	Mass Rainscreen [kg]	Mass Insulation [kg]	Mass Drip Tray [kg]	Mass Total [kg]	MLR Rainscreen Smoothed 100pt [g/s]	MLR Insulation Smoothed 100pt [g/s]	MLR Drip Tray Smoothed 100pt [g/s]	MLR Total Smoothed 100pt [g/s]
0	0.25	0.25	3.9545	1.8655	-0.001	5.819	0.9978	0.5893	0.02	1.6071
1	0.529	0.469	3.9537	1.8633	-0.001	5.816	1.0319	0.5939	0.0191	1.6449
2	0.627	0.595	3.954	1.8625	-0.0004	5.8161	1.0598	0.6083	0.0131	1.6812
3	0.699	0.763	3.9516	1.8624	-0.0004	5.8136	1.0906	0.6066	0.0113	1.7085
4	0.872	0.867	3.9513	1.862	-0.0004	5.8129	1.1142	0.6149	0.0117	1.7408
5	1.12	1.1	3.9508	1.861	-0.0004	5.8115	1.1442	0.6201	0.0127	1.777
6	1.24	1.53	3.9506	1.8602	-0.0005	5.8103	1.1676	0.6258	0.0135	1.8069
7	1.24	2.12	3.9507	1.8595	-0.0006	5.8096	1.1915	0.6294	0.0152	1.8361
8	1.22	2.79	3.951	1.859	-0.0007	5.8094	1.2041	0.6287	0.0128	1.8457
9	1.76	3.49	3.9507	1.8583	-0.0007	5.8083	1.243	0.6245	0.0103	1.8778
10	2.52	4.03	3.9505	1.8574	-0.0008	5.8071	1.2738	0.636	0.01	1.9198
11	3.24	4.6	3.9498	1.857	-0.0009	5.8059	1.2915	0.6331	0.0117	1.9363
12	4.52	5.21	3.9494	1.8564	-0.0008	5.8051	1.316	0.6297	0.0148	1.9605
13	5.5	5.82	3.9491	1.8559	-0.0008	5.8042	1.3466	0.6235	0.0158	1.9859
14	6.47	6.42	3.9486	1.8553	-0.0008	5.803	1.3702	0.6155	0.0156	2.0013
15	7.37	7.02	3.9478	1.8544	-0.0009	5.8013	1.3896	0.6149	0.0146	2.0191
16	8.22	7.62	3.9473	1.8536	-0.0009	5.8001	1.4085	0.6191	0.0127	2.0403
17	9.04	8.28	3.9468	1.8535	-0.0009	5.7993	1.4314	0.6189	0.0119	2.0623
18	9.89	8.98	3.9465	1.8529	-0.0009	5.7986	1.4671	0.6235	0.0117	2.1024
19	10.5	9.59	3.9464	1.8522	-0.0009	5.7977	1.4907	0.6158	0.0116	2.118
20	11.4	10.2	3.9462	1.8522	-0.0008	5.7976	1.5328	0.6215	0.01	2.1643
21	12.2	10.7	3.9456	1.8516	-0.0008	5.7964	1.5432	0.6323	0.0112	2.1867
22	12.3	11.2	3.945	1.852	-0.0009	5.7961	1.5758	0.6272	0.0111	2.2141
23	12.4	11.7	3.9445	1.8519	-0.0009	5.7955	1.607	0.6317	0.0109	2.2497
24	12.5	12.2	3.9445	1.8512	-0.0009	5.7948	1.6565	0.6346	0.0113	2.3025
25	12.5	12.5	3.9449	1.8506	-0.0009	5.7947	1.6937	0.6351	0.012	2.3407
26	13.8	12.9	3.9448	1.8503	-0.0007	5.7944	1.7293	0.6404	0.0126	2.3823
27	14.6	13.3	3.9435	1.8493	-0.0008	5.792	1.7622	0.6478	0.013	2.4229
28	13.4	13.6	3.9429	1.849	-0.0009	5.791	1.7998	0.6485	0.0138	2.4621

29	13.4	13.9	3.9421	1.8484	-0.0009	5.7896	1.839	0.6496	0.0127	2.5013
30	13.9	14.3	3.941	1.8481	-0.001	5.7882	1.8629	0.6515	0.0087	2.5231
31	13.8	14.6	3.9401	1.8477	-0.001	5.7868	1.8978	0.6572	0.0088	2.5637
32	14.8	15	3.9386	1.8466	-0.0011	5.7841	1.9146	0.6556	0.0097	2.5799
33	15.1	15.4	3.9375	1.8458	-0.001	5.7823	1.949	0.6623	0.0096	2.621
34	14.5	15.7	3.9361	1.8454	-0.001	5.7804	1.9863	0.6693	0.01	2.6656
35	15.3	16.2	3.9348	1.8449	-0.0011	5.7787	2.0078	0.6663	0.0112	2.6853
36	15.9	16.6	3.9336	1.8445	-0.0012	5.7769	2.0406	0.6661	0.0109	2.7176
37	16.6	17	3.9323	1.844	-0.0011	5.7752	2.065	0.6688	0.0111	2.7449
38	15.5	17.6	3.9315	1.8436	-0.0011	5.774	2.0918	0.6701	0.0123	2.7741
39	18.9	18.1	3.9303	1.8431	-0.001	5.7724	2.1251	0.6774	0.0134	2.8159
40	18.3	18.7	3.9289	1.8422	-0.001	5.7701	2.1426	0.6803	0.0133	2.8362
41	19.2	19.4	3.9274	1.8419	-0.001	5.7683	2.1699	0.6859	0.0129	2.8687
42	19.8	19.9	3.9251	1.8414	-0.0009	5.7656	2.1743	0.6818	0.0103	2.8665
43	19.9	20.5	3.9229	1.841	-0.0008	5.763	2.1828	0.6791	0.0078	2.8698
44	21	21.1	3.9209	1.8407	-0.0011	5.7606	2.1887	0.6803	0.0059	2.8749
45	22	21.6	3.9177	1.8401	-0.0012	5.7566	2.1978	0.6778	0.0052	2.8809
46	22.6	22.1	3.9154	1.8391	-0.0013	5.7531	2.2215	0.675	0.0045	2.901
47	23.2	22.6	3.9124	1.8382	-0.0016	5.7489	2.2373	0.6751	0.0056	2.9181
48	23.8	23.3	3.9099	1.8373	-0.0017	5.7454	2.2554	0.6719	0.0061	2.9334
49	25.6	23.9	3.9065	1.8366	-0.0016	5.7414	2.281	0.6654	0.006	2.9525
50	26.7	24.5	3.9037	1.8357	-0.0016	5.7379	2.2935	0.6668	0.007	2.9672
51	25.1	25	3.9013	1.8344	-0.0013	5.7344	2.3308	0.6637	0.0031	2.9975
52	24.7	25.6	3.8986	1.8339	-0.0012	5.7312	2.3848	0.6491	0.004	3.0379
53	26	26.3	3.8962	1.8328	-0.0012	5.7278	2.428	0.6482	0.011	3.0872
54	25.5	26.9	3.8934	1.8319	-0.0013	5.7241	2.4618	0.6552	0.011	3.1279
55	25.6	27.6	3.891	1.831	-0.0014	5.7206	2.5261	0.6622	0.0115	3.1999
56	26.9	28.3	3.8884	1.8302	-0.0015	5.7171	2.584	0.6591	0.012	3.2551
57	28.3	29	3.8865	1.8296	-0.0013	5.7147	2.6461	0.6571	0.0123	3.3155
58	30.3	29.6	3.883	1.8292	-0.0012	5.711	2.699	0.6607	0.0129	3.3726
59	29.9	30.2	3.8799	1.8279	-0.0012	5.7066	2.7605	0.6673	0.0122	3.44
60	28.9	30.9	3.8776	1.8274	-0.0013	5.7037	2.8076	0.6731	0.0099	3.4906
61	30.1	31.7	3.8748	1.827	-0.0015	5.7002	2.8526	0.673	0.0077	3.5333
62	33.3	32.5	3.8715	1.8268	-0.0016	5.6967	2.908	0.6713	0.0043	3.5837
63	33.1	33.3	3.8687	1.8266	-0.0016	5.6937	2.9514	0.6771	0.003	3.6315
64	34.6	34.2	3.866	1.8261	-0.0016	5.6905	3.0009	0.6783	0.003	3.6822
65	35.6	35.2	3.8634	1.8252	-0.0014	5.6871	3.0461	0.6757	0.0026	3.7244

66	36.2	36.2	3.8605	1.8246	-0.0014	5.6836	3.1005	0.6724	0.0026	3.7756
67	36.8	37	3.8566	1.8236	-0.0014	5.6788	3.1537	0.672	0.003	3.8287
68	36.7	37.7	3.8535	1.8235	-0.0014	5.6756	3.21	0.6793	0.0037	3.893
69	39.3	38.6	3.8491	1.8225	-0.0013	5.6703	3.2811	0.7028	0.004	3.9879
70	41.4	39.4	3.8468	1.8211	-0.0014	5.6665	3.3499	0.7121	0.0049	4.0669
71	39.7	40.3	3.8429	1.8209	-0.0014	5.6624	3.4287	0.7228	0.007	4.1585
72	41.3	41.1	3.8391	1.8199	-0.0014	5.6576	3.5058	0.7344	0.0068	4.247
73	42.5	42	3.8338	1.8191	-0.0014	5.6514	3.5937	0.7563	0.006	4.356
74	44.4	42.7	3.8293	1.8184	-0.0015	5.6462	3.6557	0.7708	0.0057	4.4321
75	44.9	43.4	3.8249	1.8174	-0.0016	5.6407	3.7493	0.7836	0.0041	4.537
76	43.9	44.3	3.8207	1.8161	-0.0016	5.6352	3.8316	0.792	0.0042	4.6278
77	43.6	45.1	3.816	1.8154	-0.0017	5.6297	3.9114	0.8037	0.0076	4.7227
78	46.2	46	3.8111	1.8147	-0.0016	5.6242	3.9958	0.8094	0.0068	4.812
79	45.7	46.8	3.8073	1.8139	-0.0013	5.6199	4.0586	0.8174	0.0051	4.8811
80	46.1	47.4	3.8026	1.8128	-0.0013	5.6141	4.1517	0.8397	0.005	4.9964
81	49.4	48.4	3.7994	1.8123	-0.0014	5.6102	4.2202	0.8501	0.005	5.0753
82	49.6	49.2	3.7946	1.8111	-0.0014	5.6042	4.2984	0.8643	0.0026	5.1653
83	47.4	50.1	3.7895	1.8098	-0.0014	5.5979	4.3653	0.8709	0.0005	5.2368
84	50.2	50.9	3.7857	1.8094	-0.0016	5.5935	4.4548	0.8783	0.0016	5.3347
85	52.4	51.5	3.7809	1.8087	-0.0015	5.5881	4.5244	0.8866	0.0015	5.4125
86	51.7	52.3	3.7767	1.8078	-0.0016	5.583	4.5962	0.8998	0.0014	5.4974
87	54.9	53.1	3.7723	1.8071	-0.0017	5.5777	4.6712	0.9108	0.001	5.5829
88	53.4	53.7	3.7672	1.8057	-0.0018	5.5712	4.7456	0.9211	0.001	5.6676
89	53.8	54.4	3.7635	1.8048	-0.0018	5.5665	4.8331	0.9307	0.001	5.7648
90	57.6	54.8	3.7589	1.8036	-0.0018	5.5607	4.9004	0.9433	0.002	5.8456
91	57.3	55.1	3.7563	1.8033	-0.0016	5.5581	4.9923	0.9544	0.002	5.9486
92	59.7	55.3	3.7534	1.8029	-0.0013	5.5549	5.0847	0.9642	0.0024	6.0513
93	58.5	55.8	3.7506	1.8021	-0.0012	5.5515	5.1367	0.98	0.0043	6.1211
94	57.1	56.2	3.7476	1.8016	-0.0011	5.5481	5.2078	0.9996	0.0049	6.2124
95	58.4	56.4	3.7431	1.8012	-0.001	5.5433	5.2835	1.0065	0.0038	6.2938
96	58.9	56.6	3.7393	1.8005	-0.0011	5.5387	5.3689	1.02	0.0042	6.393
97	58.5	56.7	3.7353	1.8002	-0.0012	5.5343	5.4463	1.0245	0.0036	6.4744
98	57.8	57	3.7305	1.8002	-0.0012	5.5295	5.5066	1.0317	-0.0008	6.5375
99	54.6	57.3	3.727	1.7994	-0.0013	5.5251	5.5725	1.0463	-0.0028	6.616
100	54	57.5	3.7214	1.7991	-0.0013	5.5192	5.6523	1.0524	-0.002	6.7027
101	55.2	57.4	3.7152	1.7984	-0.0014	5.5122	5.7513	1.0584	-0.0007	6.809
102	56.8	57.4	3.7112	1.7977	-0.0015	5.5074	5.8038	1.0634	0.003	6.8702

103	57.7	57.4	3.7055	1.7969	-0.0015	5.5009	5.8727	1.0767	-0.0019	6.9514
104	56	57.7	3.6987	1.7958	-0.0016	5.4929	5.9437	1.0929	-0.0027	7.0339
105	54.5	57.9	3.6924	1.7951	-0.0016	5.486	6.0357	1.0996	-0.0048	7.1305
106	57.9	58	3.686	1.7945	-0.0017	5.4788	6.1194	1.1075	-0.0071	7.2198
107	58.6	58.3	3.6808	1.7934	-0.0019	5.4723	6.1829	1.113	-0.0087	7.2872
108	58.7	58.8	3.675	1.7923	-0.0019	5.4654	6.2536	1.1235	-0.0075	7.3696
109	61.4	59.5	3.67	1.791	-0.0017	5.4593	6.3179	1.1314	-0.0045	7.4448
110	57	60.3	3.6652	1.7902	-0.0016	5.4538	6.4165	1.135	-0.004	7.5475
111	59.3	61.1	3.659	1.7899	-0.0013	5.4475	6.4867	1.148	-0.0033	7.6315
112	58.7	61.8	3.6543	1.7887	-0.0011	5.4419	6.5545	1.1525	-0.0052	7.7018
113	62.6	62.8	3.649	1.7881	-0.0011	5.436	6.6188	1.1681	-0.006	7.781
114	62.4	63.7	3.644	1.7877	-0.0011	5.4305	6.7121	1.1826	-0.006	7.8887
115	60.5	65.1	3.6378	1.7871	-0.0012	5.4238	6.8028	1.1975	-0.0059	7.9943
116	63.8	66.3	3.632	1.7864	-0.0012	5.4172	6.8879	1.2074	-0.0049	8.0903
117	67.1	67.4	3.6258	1.7855	-0.0013	5.41	6.9675	1.2174	-0.0023	8.1827
118	67.6	68.6	3.6184	1.7827	-0.0013	5.3998	7.0243	1.226	-0.0003	8.25
119	69.1	69.6	3.6114	1.781	-0.0014	5.391	7.1103	1.2379	0.0008	8.349
120	70.4	70.9	3.6033	1.7799	-0.0015	5.3817	7.1922	1.2463	0.0047	8.4432
121	70.2	72.4	3.595	1.7782	-0.0015	5.3717	7.2957	1.2443	0.004	8.5439
122	76.7	74.1	3.5857	1.7763	-0.0015	5.3605	7.3738	1.2572	0.003	8.634
123	74.3	76	3.579	1.7748	-0.0015	5.3523	7.4377	1.261	0.0028	8.7015
124	80	78.1	3.5696	1.7728	-0.0014	5.341	7.5142	1.273	0.0019	8.7891
125	80.4	80.6	3.5618	1.7714	-0.0013	5.3319	7.5943	1.2844	0.0028	8.8816
126	80.5	83	3.5537	1.7699	-0.0014	5.3221	7.6629	1.2912	0.0039	8.958
127	81.2	85.2	3.5439	1.7683	-0.0014	5.3108	7.7595	1.2927	0.0034	9.0556
128	79.8	87.4	3.5371	1.7672	-0.0014	5.3029	7.8627	1.3087	0.0037	9.175
129	82.4	90	3.527	1.7644	-0.0014	5.29	7.9424	1.3168	0.0066	9.2658
130	87.5	92.7	3.519	1.7631	-0.0015	5.2806	8.0458	1.3283	0.0109	9.385
131	91.7	95.5	3.5103	1.7612	-0.0013	5.2703	8.1345	1.3305	0.0117	9.4768
132	97.7	97.9	3.502	1.7595	-0.0011	5.2604	8.24	1.3472	0.0072	9.5943
133	103	100	3.492	1.758	-0.0012	5.2488	8.3117	1.3446	0.008	9.6643
134	108	103	3.4836	1.7567	-0.0011	5.2392	8.3921	1.3475	0.0072	9.7468
135	109	105	3.4752	1.7549	-0.0012	5.229	8.4826	1.3545	0.0046	9.8417
136	109	108	3.4665	1.7534	-0.0013	5.2186	8.5813	1.3644	0.0036	9.9493
137	110	110	3.4577	1.7519	-0.0012	5.2084	8.6549	1.3686	0.0016	10.025
138	118	113	3.4481	1.7505	-0.0012	5.1975	8.7261	1.3737	-0.0001	10.0996
139	122	115	3.4402	1.7488	-0.0012	5.1878	8.8118	1.3743	-0.0017	10.1844

140	124	117	3.4296	1.7468	-0.0012	5.1752	8.8852	1.3885	-0.002	10.2716
141	122	119	3.4189	1.7455	-0.0012	5.1632	8.9761	1.3952	-0.0007	10.3706
142	122	121	3.4114	1.7434	-0.0013	5.1535	9.067	1.4038	0.0024	10.4732
143	127	123	3.4021	1.741	-0.0013	5.1418	9.1591	1.4158	0.0033	10.5782
144	127	125	3.3926	1.7401	-0.0015	5.1312	9.2591	1.4274	0.0026	10.689
145	127	126	3.3809	1.7381	-0.0017	5.1173	9.3462	1.4395	0.0018	10.7875
146	127	128	3.3707	1.7367	-0.0017	5.1057	9.4206	1.4452	0.0041	10.8699
147	126	129	3.3617	1.735	-0.0016	5.0951	9.4992	1.4518	0.003	10.954
148	127	131	3.3526	1.7326	-0.0014	5.0838	9.5884	1.4637	0.0013	11.0535
149	128	132	3.3412	1.7313	-0.0014	5.0712	9.6749	1.4814	-0.0005	11.1558
150	134	133	3.3286	1.7299	-0.0015	5.057	9.7505	1.4924	-0.002	11.241
151	138	134	3.3209	1.7281	-0.0016	5.0474	9.8035	1.5104	-0.003	11.3109
152	141	136	3.3113	1.7262	-0.0014	5.0361	9.8815	1.5148	-0.0012	11.3952
153	131	137	3.3018	1.7235	-0.001	5.0244	9.9312	1.5297	-0.0009	11.46
154	136	138	3.2899	1.722	-0.0008	5.011	9.9798	1.5332	-0.0012	11.5119
155	141	139	3.279	1.7202	-0.0006	4.9986	10.0304	1.5409	-0.0062	11.5651
156	140	140	3.2702	1.7189	-0.0006	4.9884	10.0935	1.5512	-0.0097	11.635
157	141	141	3.2612	1.7172	-0.0006	4.9778	10.1641	1.5594	-0.0119	11.7116
158	144	143	3.2512	1.716	-0.0008	4.9665	10.2181	1.553	-0.0131	11.758
159	146	144	3.2383	1.7144	-0.0008	4.9519	10.2502	1.5499	-0.0155	11.7847
160	147	145	3.2289	1.7126	-0.001	4.9405	10.3054	1.547	-0.0147	11.8378
161	149	146	3.2193	1.7117	-0.001	4.9301	10.3887	1.5559	-0.0145	11.9301
162	147	147	3.2096	1.7099	-0.001	4.9186	10.4919	1.5655	-0.0374	12.02
163	146	148	3.1975	1.7084	-0.001	4.9048	10.5455	1.5601	-0.053	12.0526
164	148	149	3.1858	1.7063	-0.001	4.8911	10.5722	1.5647	-0.0528	12.0841
165	147	150	3.1746	1.7044	-0.0009	4.8781	10.662	1.5776	-0.0752	12.1645
166	152	151	3.1637	1.7028	-0.0012	4.8653	10.7149	1.5835	-0.0841	12.2143
167	155	151	3.1542	1.701	-0.0014	4.8538	10.7447	1.5889	-0.086	12.2475
168	158	152	3.1425	1.6998	-0.0015	4.8407	10.785	1.5938	-0.0858	12.2929
169	152	152	3.1298	1.6979	-0.0018	4.826	10.8244	1.5785	-0.0845	12.3185
170	159	152	3.1172	1.6967	-0.0018	4.8121	10.8745	1.5784	-0.083	12.3699
171	154	152	3.1055	1.6952	-0.0017	4.799	10.9062	1.5785	-0.0837	12.401
172	156	153	3.0953	1.6938	-0.0017	4.7874	10.9509	1.576	-0.0824	12.4446
173	151	154	3.0824	1.6918	-0.0016	4.7725	10.9671	1.5708	-0.0829	12.455
174	154	154	3.0699	1.69	-0.0018	4.7581	11.0466	1.5691	-0.0787	12.537
175	156	155	3.0586	1.6882	-0.002	4.7449	11.0346	1.565	-0.0796	12.52
176	152	155	3.0447	1.6869	-0.0019	4.7297	11.083	1.5649	-0.0847	12.5633

177	153	156	3.0297	1.6846	-0.002	4.7122	11.1255	1.5617	-0.083	12.6041
178	156	157	3.0168	1.683	-0.0023	4.6976	11.1336	1.5713	-0.0823	12.6226
179	147	158	3.0028	1.6811	-0.0024	4.6814	11.1932	1.5687	-0.0875	12.6743
180	152	159	2.9892	1.6797	-0.0025	4.6665	11.202	1.5523	-0.0945	12.6597
181	160	160	2.9754	1.6776	-0.0021	4.6508	11.2169	1.5536	-0.0933	12.6772
182	158	161	2.9634	1.6766	-0.0022	4.6378	11.2494	1.5506	-0.0903	12.7097
183	158	163	2.9503	1.6751	-0.0022	4.6232	11.2772	1.5469	-0.0981	12.726
184	161	164	2.9374	1.6739	-0.002	4.6094	11.2804	1.5517	-0.1003	12.7318
185	161	166	2.9227	1.6723	-0.0019	4.5931	11.3181	1.5569	-0.1003	12.7747
186	169	167	2.9112	1.671	-0.0017	4.5805	11.3209	1.5459	-0.098	12.7687
187	169	169	2.8997	1.6697	-0.0017	4.5677	11.3372	1.548	-0.0967	12.7885
188	175	171	2.886	1.6683	-0.0016	4.5527	11.3494	1.551	-0.0968	12.8037
189	177	173	2.875	1.666	-0.0016	4.5394	11.3558	1.5484	-0.0942	12.81
190	180	175	2.8613	1.6641	-0.0017	4.5237	11.3909	1.5543	-0.0964	12.8488
191	178	177	2.8496	1.6629	-0.0018	4.5108	11.3805	1.5545	-0.099	12.836
192	178	178	2.8374	1.6613	-0.0017	4.4971	11.3974	1.5559	-0.0986	12.8547
193	180	180	2.8247	1.6593	-0.0014	4.4826	11.4299	1.5469	-0.099	12.8779
194	181	181	2.8129	1.6577	-0.0013	4.4694	11.4306	1.538	-0.0979	12.8707
195	183	182	2.801	1.6567	-0.0014	4.4563	11.4318	1.5482	-0.0973	12.8826
196	184	183	2.7894	1.6554	-0.0014	4.4433	11.4291	1.5425	-0.0967	12.8749
197	189	183	2.7765	1.6538	-0.0013	4.429	11.4522	1.5336	-0.101	12.8848
198	185	184	2.763	1.652	-0.0011	4.4139	11.4697	1.5397	-0.1126	12.8967
199	191	184	2.752	1.6501	-0.0011	4.401	11.5814	1.528	-0.2006	12.9088
200	195	184	2.7411	1.648	-0.001	4.3881	11.577	1.5241	-0.1977	12.9034
201	180	184	2.7271	1.6469	-0.0013	4.3727	11.5713	1.5225	-0.1972	12.8965
202	194	183	2.7181	1.6447	-0.0014	4.3614	11.6102	1.5145	-0.1969	12.9278
203	187	183	2.7075	1.6436	-0.0014	4.3497	11.6292	1.5094	-0.1949	12.9437
204	184	183	2.6956	1.6417	-0.0009	4.3364	11.6418	1.4958	-0.1907	12.9469
205	180	182	2.6831	1.64	-0.0006	4.3225	11.6213	1.4966	-0.1892	12.9288
206	185	181	2.6696	1.6385	-0.0006	4.3076	11.6516	1.4926	-0.1848	12.9594
207	187	181	2.659	1.6381	-0.0006	4.2966	11.6543	1.4917	-0.183	12.963
208	180	180	2.65	1.6373	-0.0004	4.2869	11.6884	1.4891	-0.1852	12.9923
209	179	179	2.6394	1.6363	-0.0002	4.2755	11.7163	1.4841	-0.1896	13.0108
210	172	178	2.6264	1.6346	-0.0001	4.2608	11.6888	1.4785	-0.1897	12.9775
211	169	178	2.6098	1.6333	0.0024	4.2455	11.7142	1.4804	-0.192	13.0027
212	178	177	2.5998	1.6327	0.0042	4.2367	11.7331	1.4824	-0.1931	13.0224
213	171	176	2.5918	1.6316	0.0042	4.2276	11.748	1.4744	-0.1969	13.0254

214	164	175	2.5778	1.6299	0.0064	4.2141	11.7543	1.4749	-0.2055	13.0237
215	174	175	2.5663	1.6288	0.0072	4.2023	11.7403	1.4704	-0.2061	13.0045
216	175	174	2.5575	1.6275	0.0074	4.1924	11.7431	1.4548	-0.2055	12.9924
217	176	173	2.5473	1.6261	0.0073	4.1807	11.7684	1.4443	-0.2087	13.004
218	176	173	2.536	1.6248	0.0071	4.1679	11.8167	1.4401	-0.2086	13.0482
219	173	173	2.524	1.6231	0.0069	4.154	11.794	1.4397	-0.2075	13.0261
220	174	173	2.5127	1.6221	0.0069	4.1416	11.7813	1.4346	-0.2081	13.0077
221	173	173	2.4999	1.6206	0.0067	4.1272	11.7731	1.4331	-0.2057	13.0005
222	173	173	2.489	1.6192	0.0068	4.115	11.7827	1.4308	-0.204	13.0095
223	167	174	2.4743	1.6179	0.0064	4.0986	11.8142	1.445	-0.2038	13.0554
224	175	175	2.4661	1.6164	0.0066	4.0891	11.8024	1.4527	-0.2022	13.0529
225	173	174	2.4535	1.6149	0.0072	4.0755	11.785	1.4391	-0.2048	13.0192
226	174	174	2.4411	1.6137	0.0069	4.0617	11.7992	1.4451	-0.2052	13.0391
227	175	175	2.4305	1.6112	0.0068	4.0485	11.7532	1.4641	-0.2035	13.0137
228	175	175	2.4178	1.6103	0.0074	4.0354	11.7322	1.4651	-0.2035	12.9938
229	173	175	2.4068	1.6092	0.008	4.024	11.7485	1.4531	-0.2006	13.0011
230	175	175	2.3973	1.6078	0.0078	4.0129	11.7423	1.44	-0.198	12.9842
231	178	176	2.3853	1.6062	0.0078	3.9993	11.7419	1.4308	-0.193	12.9797
232	178	176	2.3743	1.6048	0.0087	3.9878	11.7337	1.4374	-0.1913	12.9798
233	181	176	2.364	1.6028	0.0089	3.9756	11.7195	1.4548	-0.1969	12.9773
234	169	176	2.3518	1.601	0.0089	3.9617	11.7173	1.4565	-0.1996	12.9741
235	175	176	2.3431	1.6004	0.0086	3.9521	11.7262	1.4479	-0.1975	12.9766
236	181	177	2.3328	1.5986	0.0084	3.9398	11.7059	1.4336	-0.1953	12.9443
237	182	177	2.3228	1.5968	0.0085	3.928	11.7449	1.4284	-0.1925	12.9808
238	178	177	2.3126	1.5957	0.0082	3.9165	11.7434	1.4299	-0.1935	12.9798
239	175	177	2.3011	1.5934	0.0084	3.903	11.7733	1.4068	-0.2011	12.979
240	183	177	2.2916	1.5913	0.0087	3.8916	11.7858	1.382	-0.2038	12.964
241	177	177	2.2792	1.5899	0.0086	3.8777	11.8065	1.3624	-0.2141	12.9548
242	171	177	2.2684	1.5887	0.0086	3.8657	11.9181	1.3518	-0.2795	12.9904
243	176	176	2.2591	1.5872	0.0085	3.8547	11.9098	1.3428	-0.2833	12.9693
244	176	176	2.2494	1.5853	0.0082	3.8429	11.9114	1.3355	-0.2812	12.9658
245	179	176	2.2379	1.5838	0.008	3.8298	11.9527	1.331	-0.304	12.9796
246	184	175	2.2255	1.5833	0.0084	3.8172	11.9764	1.3344	-0.3245	12.9863
247	177	175	2.2147	1.581	0.0097	3.8055	11.9747	1.3339	-0.3212	12.9875
248	165	175	2.1945	1.5798	0.0186	3.7929	11.9829	1.3399	-0.3301	12.9927
249	175	175	2.1835	1.5789	0.0184	3.7808	11.9492	1.3192	-0.3221	12.9462
250	175	175	2.1715	1.5777	0.0182	3.7673	11.9652	1.323	-0.3299	12.9582

251	175	175	2.1599	1.5766	0.0181	3.7546	11.9861	1.3183	-0.3275	12.9769
252	178	175	2.1484	1.5753	0.0181	3.7417	11.9541	1.3334	-0.3341	12.9534
253	171	175	2.1376	1.574	0.0181	3.7297	11.983	1.3355	-0.337	12.9815
254	166	176	2.1277	1.5723	0.0181	3.7181	11.995	1.3437	-0.331	13.0077
255	172	176	2.1139	1.571	0.0178	3.7027	12.0007	1.3441	-0.3258	13.019
256	167	176	2.1047	1.5697	0.0177	3.6921	12.0157	1.3406	-0.3262	13.0301
257	183	176	2.0923	1.5683	0.0179	3.6785	12.0121	1.34	-0.3256	13.0266
258	182	177	2.0796	1.5676	0.0182	3.6654	12.0128	1.3495	-0.3247	13.0376
259	178	177	2.0694	1.5665	0.0182	3.6541	12.0328	1.365	-0.3191	13.0787
260	177	177	2.0575	1.5646	0.0182	3.6403	12.059	1.3755	-0.3116	13.123
261	172	178	2.046	1.5635	0.0183	3.6278	12.0281	1.3821	-0.3102	13.1
262	178	178	2.0348	1.5625	0.0187	3.616	11.9746	1.404	-0.2855	13.0931
263	184	178	2.022	1.5609	0.0196	3.6025	11.998	1.4105	-0.266	13.1425
264	186	179	2.0117	1.5593	0.0196	3.5907	12.0012	1.4377	-0.2705	13.1684
265	185	180	2.0003	1.559	0.0196	3.5789	11.9549	1.4622	-0.2538	13.1633
266	177	181	1.9869	1.5584	0.0197	3.5649	11.9184	1.4984	-0.2521	13.1647
267	177	181	1.9725	1.557	0.0195	3.549	11.943	1.4974	-0.2524	13.188
268	176	181	1.9631	1.5558	0.0193	3.5381	11.9933	1.4743	-0.2522	13.2154
269	186	181	1.9517	1.5544	0.019	3.5252	11.9949	1.4759	-0.2551	13.2157
270	184	182	1.9399	1.5534	0.0188	3.5121	12.2214	1.4075	-0.2826	13.3463
271	182	183	1.9273	1.5521	0.0187	3.498	12.1101	1.3923	-0.3484	13.154
272	181	184	1.9139	1.5493	0.0187	3.4819	12.0785	1.4101	-0.3544	13.1342
273	182	185	1.9021	1.5465	0.0186	3.4672	12.0927	1.3996	-0.3627	13.1296
274	180	184	1.8914	1.546	0.0187	3.4561	12.0287	1.4073	-0.3659	13.0701
275	186	184	1.8787	1.5437	0.0186	3.441	12.0425	1.411	-0.3697	13.0838
276	183	185	1.8694	1.5405	0.0184	3.4283	12.0476	1.3954	-0.3662	13.0767
277	180	186	1.8565	1.5381	0.0183	3.4129	12.0307	1.389	-0.3691	13.0506
278	192	188	1.842	1.5377	0.0178	3.3975	12.0143	1.3904	-0.3636	13.0411
279	186	188	1.8285	1.5371	0.0174	3.383	11.9786	1.4037	-0.3606	13.0217
280	196	189	1.815	1.5367	0.0168	3.3685	11.9764	1.4131	-0.3563	13.0332
281	192	190	1.802	1.5338	0.017	3.3528	11.999	1.4093	-0.3569	13.0513
282	194	191	1.7915	1.5311	0.0175	3.3401	11.9669	1.4301	-0.3613	13.0357
283	185	193	1.7786	1.5294	0.0178	3.3258	11.9457	1.4317	-0.359	13.0184
284	186	195	1.7648	1.5291	0.0177	3.3117	11.9271	1.4311	-0.3536	13.0046
285	188	196	1.7521	1.5289	0.0176	3.2987	11.8968	1.4313	-0.3551	12.973
286	197	197	1.7367	1.5281	0.0175	3.2824	11.8941	1.438	-0.356	12.9761
287	202	199	1.7253	1.5267	0.0177	3.2697	11.8848	1.4391	-0.3589	12.9651

288	204	201	1.7087	1.5276	0.0185	3.2548	11.8643	1.4423	-0.3624	12.9441
289	199	203	1.6964	1.5278	0.0188	3.243	11.8432	1.4536	-0.3618	12.935
290	205	204	1.6806	1.5279	0.0197	3.2282	11.8099	1.4471	-0.361	12.896
291	197	205	1.6578	1.5277	0.0262	3.2117	11.8034	1.4453	-0.3605	12.8882
292	208	206	1.6465	1.527	0.0267	3.2001	11.7637	1.4497	-0.3581	12.8553
293	215	208	1.6336	1.5258	0.0267	3.1861	11.7311	1.4481	-0.3551	12.824
294	211	210	1.6177	1.5246	0.0291	3.1714	11.7189	1.4493	-0.3537	12.8145
295	210	212	1.6034	1.5233	0.031	3.1577	11.7065	1.4566	-0.3589	12.8042
296	220	213	1.5919	1.522	0.0307	3.1446	11.6685	1.4548	-0.3569	12.7665
297	223	214	1.5782	1.5198	0.0317	3.1297	11.6184	1.4582	-0.354	12.7226
298	218	214	1.5681	1.5201	0.0311	3.1193	11.6633	1.4694	-0.4619	12.6708
299	216	216	1.5554	1.5178	0.0319	3.1051	11.6525	1.4881	-0.4966	12.644
300	213	217	1.5425	1.5162	0.0317	3.0904	11.6279	1.5095	-0.484	12.6534
301	220	218	1.5317	1.5135	0.0321	3.0773	11.5728	1.5234	-0.4941	12.6021
302	223	219	1.5198	1.5112	0.0323	3.0633	11.5093	1.541	-0.4878	12.5626
303	220	219	1.508	1.5092	0.0317	3.0489	11.4329	1.5473	-0.4674	12.5128
304	221	220	1.4956	1.5073	0.0316	3.0345	11.3815	1.5537	-0.4709	12.4643
305	219	221	1.4815	1.5059	0.032	3.0194	11.4068	1.5434	-0.4987	12.4515
306	218	221	1.4684	1.5045	0.032	3.0049	11.9312	1.5429	-0.7598	12.7144
307	217	221	1.4577	1.5031	0.0319	2.9928	12.2061	1.5487	-0.7762	12.9786
308	223	221	1.4467	1.5008	0.0316	2.979	12.1077	1.5458	-0.7773	12.8762
309	223	222	1.4335	1.4987	0.0309	2.9632	12.0022	1.5562	-0.779	12.7794
310	225	223	1.4235	1.4964	0.0309	2.9508	11.9321	1.5491	-0.7787	12.7024
311	226	223	1.4123	1.4929	0.031	2.9362	12.0126	1.5269	-1.3162	12.2234
312	223	223	1.4	1.4917	0.0308	2.9224	12.4062	1.5184	-1.5581	12.3665
313	222	224	1.3917	1.4878	0.0312	2.9107	12.4531	1.5295	-1.5292	12.4534
314	222	224	1.3823	1.4837	0.0318	2.8978	12.3237	1.5257	-1.4836	12.3657
315	221	224	1.3744	1.4789	0.0325	2.8858	12.2517	1.5185	-1.4655	12.3047
316	221	224	1.3632	1.4778	0.0326	2.8737	12.164	1.5397	-1.4649	12.2388
317	229	224	1.3479	1.4787	0.0325	2.8592	12.0462	1.5508	-1.4567	12.1403
318	232	224	1.3365	1.4772	0.0327	2.8463	11.9003	1.5401	-1.4259	12.0145
319	227	224	1.3018	1.4824	0.0352	2.8194	11.8239	1.5244	-1.4175	11.9308
320	228	224	1.3017	1.4829	0.0417	2.8262	11.7615	1.5258	-1.4337	11.8537
321	229	223	1.2921	1.4796	0.0422	2.8138	11.695	1.5249	-1.4521	11.7678
322	223	223	1.2797	1.4793	0.0431	2.802	11.6194	1.516	-1.4681	11.6673
323	228	223	1.2714	1.4772	0.043	2.7916	11.5219	1.4982	-1.4671	11.5531
324	218	223	1.2618	1.4753	0.0436	2.7807	11.4262	1.4742	-1.4521	11.4483

325	220	223	1.2487	1.4754	0.0438	2.7679	11.3413	1.4709	-1.4407	11.3716
326	219	223	1.238	1.4748	0.0438	2.7566	11.2357	1.4459	-1.4335	11.248
327	216	221	1.2291	1.4721	0.0432	2.7444	11.1953	1.4163	-1.4582	11.1534
328	223	220	1.2199	1.47	0.0434	2.7333	11.1241	1.3938	-1.4596	11.0582
329	220	218	1.2091	1.4679	0.0437	2.7207	11.0205	1.3956	-1.4622	10.954
330	219	217	1.1974	1.4668	0.0435	2.7078	10.9089	1.3998	-1.4785	10.8302
331	219	216	1.1887	1.4632	0.0439	2.6957	10.7943	1.411	-1.4833	10.722
332	219	215	1.1797	1.4617	0.0446	2.686	10.6795	1.3952	-1.4673	10.6074
333	217	213	1.1713	1.4597	0.0442	2.6752	10.5975	1.3686	-1.4565	10.5096
334	221	212	1.1621	1.4579	0.0444	2.6644	10.4965	1.356	-1.4472	10.4054
335	222	211	1.1537	1.4566	0.0442	2.6545	10.3756	1.3612	-1.4403	10.2965
336	206	210	1.1443	1.4547	0.0443	2.6433	10.1695	1.3629	-1.3598	10.1727
337	199	209	1.1363	1.4526	0.0447	2.6336	10.1492	1.3446	-1.4422	10.0516
338	199	208	1.1282	1.4503	0.0444	2.623	10.0514	1.3424	-1.4468	9.947
339	201	207	1.1202	1.4487	0.0445	2.6134	9.9068	1.3712	-1.4419	9.8361
340	206	206	1.1112	1.4468	0.0448	2.6028	9.8085	1.3853	-1.4391	9.7547
341	201	204	1.1028	1.445	0.0445	2.5922	9.6732	1.3909	-1.4243	9.6398
342	196	202	1.0953	1.4439	0.0441	2.5833	9.4511	1.3939	-1.3369	9.5082
343	204	201	1.0872	1.4423	0.0438	2.5733	9.3608	1.3864	-1.3237	9.4235
344	204	199	1.0788	1.4396	0.0441	2.5625	9.2474	1.3781	-1.3192	9.3062
345	202	197	1.0711	1.4384	0.0437	2.5531	9.111	1.37	-1.2856	9.1954
346	196	196	1.0637	1.4375	0.0438	2.545	8.9882	1.3713	-1.2632	9.0963
347	194	195	1.0484	1.4341	0.0559	2.5384	8.8882	1.3738	-1.2623	8.9997
348	201	194	1.0292	1.431	0.0683	2.5285	8.7846	1.3582	-1.2561	8.8868
349	197	193	1.0208	1.428	0.0668	2.5155	8.7097	1.3668	-1.2607	8.8159
350	191	191	1.0142	1.4253	0.0676	2.5071	8.6055	1.3428	-1.2525	8.6958
351	189	189	1.0089	1.4225	0.0669	2.4983	8.4971	1.3366	-1.2489	8.5848
352	190	188	1.0051	1.4205	0.0648	2.4905	8.4183	1.3204	-1.2444	8.4944
353	192	186	0.9995	1.4186	0.0652	2.4833	8.3237	1.3098	-1.2347	8.3988
354	183	184	0.987	1.418	0.068	2.473	8.2098	1.2992	-1.2285	8.2804
355	182	182	0.9208	1.4167	0.0938	2.4312	8.7976	1.0199	-1.2325	8.585
356	177	180	0.8841	1.4148	0.0953	2.3943	8.4953	1.163	-1.5343	8.1239
357	181	178	0.8815	1.4137	0.0957	2.3909	8.4187	1.2102	-1.588	8.0408
358	173	176	0.8794	1.412	0.0961	2.3875	8.3332	1.1994	-1.585	7.9475
359	173	173	0.8762	1.4116	0.096	2.3839	8.2179	1.1816	-1.5707	7.8288
360	170	171	0.8562	1.4119	0.1498	2.4179	8.0841	1.1574	-1.5555	7.686
361	170	168	0.8054	1.4117	0.1741	2.3912	7.9728	1.1379	-1.5276	7.5831

362	162	166	0.7895	1.4095	0.1716	2.3707	7.856	1.1131	-1.5085	7.4606
363	168	162	0.7897	1.4083	0.1679	2.3659	7.7475	1.1111	-1.4965	7.3621
364	172	160	0.7866	1.4074	0.1662	2.3602	7.6715	1.076	-1.4783	7.2691
365	160	157	0.7839	1.405	0.1661	2.355	7.6048	1.0376	-1.4746	7.1678
366	157	154	0.7822	1.4033	0.1654	2.3509	7.5321	0.9952	-1.4635	7.0638
367	155	151	0.7825	1.403	0.1621	2.3476	7.4295	0.9959	-1.4568	6.9685
368	151	148	0.7807	1.4033	0.161	2.3451	7.2931	1.0178	-1.446	6.865
369	146	146	0.7756	1.4019	0.1624	2.3398	7.2026	1.0101	-1.4529	6.7598
370	139	143	0.7704	1.4009	0.164	2.3353	6.8555	1.0738	-1.4216	6.5077
371	136	140	0.7653	1.4005	0.1655	2.3313	6.8544	1.0868	-1.344	6.5971
372	134	137	0.7617	1.3995	0.1654	2.3266	6.7724	1.0542	-1.3382	6.4884
373	136	134	0.7595	1.3991	0.1638	2.3224	6.6801	1.0463	-1.3308	6.3956
374	130	131	0.7573	1.399	0.1628	2.319	6.6132	1.0209	-1.3255	6.3086
375	122	129	0.7552	1.3991	0.1619	2.3162	6.5226	1.0079	-1.311	6.2195
376	120	126	0.7499	1.3988	0.1642	2.3129	6.4065	1.0158	-1.309	6.1132
377	122	123	0.7441	1.3987	0.1643	2.307	6.3202	1.0134	-1.3075	6.0261
378	121	121	0.7399	1.3982	0.164	2.3021	6.2436	0.9791	-1.3046	5.9181
379	120	118	0.7376	1.3971	0.1653	2.3	6.1587	0.9477	-1.2837	5.8227
380	114	116	0.7356	1.3956	0.1652	2.2963	6.0727	0.9327	-1.2781	5.7272
381	109	115	0.734	1.3943	0.1637	2.2921	5.9717	0.9285	-1.2745	5.6257
382	111	113	0.7317	1.3943	0.1631	2.2891	5.8981	0.8908	-1.2651	5.5238
383	112	111	0.7289	1.3938	0.1625	2.2852	5.8234	0.8788	-1.2492	5.453
384	110	109	0.7273	1.393	0.1618	2.2821	5.7621	0.864	-1.2593	5.3668
385	107	108	0.7352	1.3927	0.1536	2.2815	5.6798	0.8571	-1.2579	5.2791
386	103	106	0.7218	1.3937	0.1617	2.2772	5.5974	0.85	-1.2592	5.1882
387	102	105	0.7202	1.3925	0.1624	2.275	5.5006	0.834	-1.245	5.0895
388	98.8	103	0.718	1.3905	0.1627	2.2712	5.4121	0.8162	-1.2289	4.9994
389	103	102	0.7156	1.3892	0.1627	2.2675	5.3184	0.8088	-1.2188	4.9084
390	99.9	100	0.7133	1.3888	0.1621	2.2642	5.2251	0.7991	-1.1957	4.8284
391	98.9	99.3	0.7127	1.3884	0.1598	2.2609	5.1311	0.7892	-1.1935	4.7268
392	96.9	98.2	0.7104	1.3884	0.159	2.2578	5.0479	0.7774	-1.1919	4.6334
393	97.8	97	0.7088	1.388	0.1586	2.2554	4.9805	0.7789	-1.1886	4.5708
394	96.5	95.7	0.7066	1.3876	0.1577	2.2519	4.9061	0.7695	-1.1799	4.4956
395	94.6	94.6	0.7046	1.3861	0.1573	2.248	4.8394	0.7523	-1.1778	4.414
396	89.8	93.6	0.7031	1.3846	0.1569	2.2446	4.7901	0.7457	-1.1863	4.3494
397	92.2	92.5	0.6997	1.384	0.1573	2.241	4.7406	0.7506	-1.1905	4.3006
398	91.4	91.7	0.6972	1.3834	0.1571	2.2377	4.6067	0.7229	-1.0616	4.268

399	91.5	90.7	0.6949	1.3835	0.1571	2.2356	4.4086	0.705	-0.9341	4.1795
400	90.1	89.7	0.6927	1.3826	0.1566	2.2319	4.3506	0.6639	-0.9508	4.0637
401	90.8	88.8	0.6898	1.3815	0.1565	2.2279	4.2862	0.635	-0.9296	3.9917
402	87.9	88	0.6874	1.3802	0.1558	2.2234	4.2281	0.6097	-0.9119	3.9258
403	86.2	87.1	0.687	1.3793	0.1546	2.2209	4.1655	0.5944	-0.91	3.8498
404	86.3	86.3	0.6158	1.4053	0.1549	2.176	4.1173	0.5843	-0.8975	3.8041
405	82.9	85.4	0.632	1.3896	0.1854	2.2071	4.0039	0.5782	-0.8646	3.7174
406	82.6	84.7	0.6265	1.3835	0.1908	2.2009	3.3417	0.5654	-0.593	3.3141
407	82.2	83.9	0.6244	1.3832	0.1904	2.198	2.9888	0.5488	-0.5692	2.9684
408	85.5	82.9	0.6249	1.3826	0.1886	2.1962	2.9717	0.5428	-0.5645	2.95
409	80	82	0.6251	1.383	0.1865	2.1946	2.9545	0.5248	-0.5591	2.9202
410	81.6	81.1	0.6263	1.3826	0.1837	2.1925	2.9446	0.5216	-0.5615	2.9047
411	81.3	80	0.6267	1.3816	0.1818	2.1901	2.7444	0.5263	-0.0123	3.2584
412	81.8	79.2	0.6252	1.3806	0.1804	2.1862	2.2486	0.5272	0.2428	3.0186
413	80.6	78.4	0.6245	1.3802	0.1791	2.1838	2.0648	0.5172	0.2465	2.8285
414	78	77.6	0.6218	1.3799	0.1793	2.181	2.0707	0.5023	0.2291	2.8022
415	76.6	77	0.6212	1.3794	0.1788	2.1795	2.0607	0.4927	0.2061	2.7595
416	76.8	76.4	0.6203	1.3782	0.1783	2.1768	2.0451	0.4644	0.2188	2.7283
417	72	75.7	0.6186	1.3769	0.1771	2.1727	2.0476	0.4427	0.2162	2.7066
418	74.5	74.7	0.6162	1.3762	0.1779	2.1704	2.0561	0.4364	0.1868	2.6793
419	73.2	74.1	0.6163	1.375	0.1773	2.1686	2.0521	0.4431	0.1747	2.6699
420	70.7	73.1	0.6162	1.3742	0.1761	2.1665	2.0055	0.4364	0.1973	2.6393
421	72.5	72.2	0.6148	1.3741	0.176	2.165	1.9574	0.4298	0.2168	2.604
422	70.5	71.2	0.6117	1.3747	0.1761	2.1625	1.9274	0.4351	0.2327	2.5953
423	71.9	70.2	0.6101	1.3751	0.1755	2.1608	1.9129	0.4324	0.2323	2.5776
424	71.2	69.5	0.6096	1.3745	0.1747	2.1587	1.9098	0.4272	0.2353	2.5723
425	71.3	68.8	0.6081	1.3738	0.1747	2.1565	1.8839	0.4231	0.245	2.552
426	68	68	0.606	1.3735	0.1745	2.154	1.8631	0.4319	0.2427	2.5376
427	67.4	67.4	0.6047	1.3742	0.1736	2.1526	1.8076	0.4353	0.2713	2.5142
428	69	66.6	0.604	1.3752	0.1718	2.151	1.7583	0.4401	0.2703	2.4687
429	62.8	65.8	0.6018	1.3746	0.1715	2.1479	1.7223	0.4297	0.2722	2.4242
430	63.2	65.1	0.6003	1.374	0.171	2.1452	1.7054	0.4113	0.2986	2.4153
431	62.9	64.3	0.5988	1.3741	0.1704	2.1433	1.6828	0.397	0.309	2.3889
432	62.3	63.6	0.5974	1.3738	0.1695	2.1407	1.6757	0.3846	0.3045	2.3648
433	64	62.9	0.5951	1.3733	0.1702	2.1385	1.6576	0.3865	0.3004	2.3444
434	63.8	62.1	0.5942	1.3722	0.1702	2.1365	1.6316	0.3877	0.304	2.3233
435	61.6	61.3	0.594	1.3716	0.1701	2.1357	1.619	0.3917	0.3128	2.3235

436	59.7	60.6	0.5942	1.3713	0.1688	2.1343	1.7081	0.3956	0.2353	2.3391
437	60.3	60	0.5951	1.371	0.1676	2.1337	1.5725	0.4158	0.3148	2.3032
438	57.2	59.2	0.5964	1.3694	0.1663	2.1321	1.5702	0.4016	0.3259	2.2977
439	58.2	58.9	0.5976	1.3688	0.1641	2.1305	1.5611	0.3762	0.3342	2.2715
440	55.9	58.3	0.5981	1.3679	0.1641	2.1301	1.5413	0.368	0.3359	2.2452
441	57.1	57.8	0.598	1.3672	0.1636	2.1289	1.5313	0.359	0.3338	2.2242
442	58.6	57.4	0.5972	1.366	0.163	2.1262	1.5471	0.3531	0.3114	2.2116
443	57	56.8	0.5966	1.3653	0.1618	2.1237	1.5233	0.3567	0.3157	2.1957
444	55.3	56.3	0.5948	1.3644	0.1619	2.1211	1.5226	0.3694	0.316	2.208
445	54.8	55.8	0.5921	1.3638	0.1623	2.1182	1.5118	0.3752	0.2988	2.1858
446	55.8	55.4	0.5896	1.3624	0.1629	2.1149	1.5056	0.3672	0.3038	2.1766
447	55.3	54.8	0.5877	1.3618	0.1621	2.1116	1.4977	0.3446	0.3084	2.1507
448	55.9	54.5	0.5884	1.3605	0.1617	2.1106	1.4689	0.331	0.3254	2.1253
449	52.4	54	0.5857	1.3616	0.1619	2.1091	1.4541	0.3334	0.3293	2.1168
450	53.1	53.7	0.5856	1.3618	0.1606	2.108	1.4476	0.3344	0.3239	2.1059
451	54.5	53.3	0.5861	1.3616	0.1581	2.1057	1.4291	0.3285	0.3249	2.0826
452	53.4	52.9	0.5885	1.3611	0.1558	2.1055	1.4178	0.3167	0.3238	2.0584
453	52.7	52.5	0.5878	1.3602	0.1549	2.1029	1.3944	0.3064	0.3175	2.0183
454	52.3	52.1	0.5867	1.3602	0.1544	2.1012	1.3827	0.3045	0.3053	1.9924
455	52	51.8	0.5866	1.3602	0.1531	2.0998	0.6654	0.5654	0.3191	1.5498
456	50.1	51.3	0.5852	1.3599	0.1522	2.0974	0.8315	0.397	0.6324	1.8609
457	51.1	51	0.5844	1.3595	0.1521	2.0959	0.7831	0.3334	0.6918	1.8083
458	48.8	50.5	0.5839	1.3595	0.152	2.0955	0.7655	0.3409	0.6834	1.7898
459	49.7	50.3	0.5817	1.3595	0.1522	2.0934	0.7766	0.3438	0.6622	1.7827
460	50.7	50.1	0.5818	1.3592	0.151	2.0921	0.7851	0.3565	0.6403	1.782
461	49.9	49.9	0.5805	1.3589	0.1498	2.0893	0.7937	0.3504	0.6227	1.7667
462	49.6	49.7	0.5831	1.3578	0.147	2.0878	0.7845	0.3484	0.6107	1.7436
463	48.6	49.6	0.5826	1.3581	0.145	2.0857	0.7726	0.3544	0.5942	1.7211
464	47.6	49.4	0.5805	1.3582	0.1456	2.0842	0.7768	0.3691	0.5856	1.7316
465	48	49.2	0.5794	1.3585	0.1442	2.0821	0.7499	0.3633	0.5895	1.7027
466	48.5	49.1	0.5775	1.359	0.1437	2.0803	0.7683	0.3637	0.5914	1.7233
467	47.2	48.9	0.5768	1.3594	0.1434	2.0796	0.7572	0.3492	0.5971	1.7035
468	48.7	48.7	0.5755	1.359	0.1436	2.0781	0.7557	0.3295	0.5955	1.6807
469	49.1	48.6	0.575	1.3582	0.1427	2.0759	0.7304	0.3137	0.6131	1.6573
470	50.2	48.3	0.5747	1.3579	0.1423	2.0749	0.7439	0.3114	0.5994	1.6547
471	49.4	47.9	0.5726	1.357	0.1422	2.0718	0.7453	0.3083	0.5982	1.6518
472	50.7	47.7	0.5704	1.3563	0.1422	2.0688	0.7422	0.3123	0.6002	1.6547

473	48.8	47.5	0.5685	1.3564	0.1403	2.0651	0.7131	0.3221	0.6044	1.6397
474	48.1	47.4	0.5689	1.3567	0.1383	2.0638	0.6949	0.3253	0.6058	1.6259
475	48.2	47.3	0.5689	1.356	0.1377	2.0625	0.6987	0.3159	0.6107	1.6253
476	47.4	47.2	0.5691	1.3553	0.1371	2.0615	0.6912	0.3128	0.6262	1.6302
477	46.1	47.1	0.5683	1.3547	0.1372	2.0602	0.6926	0.3169	0.6226	1.6321
478	46	46.8	0.5677	1.3552	0.1368	2.0597	0.7049	0.315	0.5978	1.6178
479	45.3	46.6	0.5671	1.356	0.1354	2.0585	0.7171	0.3315	0.561	1.6095
480	43.1	46.3	0.5673	1.3559	0.1342	2.0574	0.6767	0.3294	0.5738	1.5798
481	45.8	46.1	0.5665	1.3558	0.1333	2.0556	0.6636	0.3205	0.5885	1.5726
482	43.6	45.8	0.566	1.3556	0.1331	2.0547	0.6497	0.3245	0.5922	1.5664
483	46.1	45.6	0.5658	1.355	0.1321	2.0529	0.6402	0.3272	0.5899	1.5573
484	46.9	45.4	0.5654	1.3539	0.1305	2.0497	0.6171	0.3244	0.6104	1.5519
485	46.5	45.2	0.5644	1.3531	0.1301	2.0475	0.6131	0.3142	0.6069	1.5341
486	45.1	45	0.5646	1.3521	0.1303	2.0469	0.6112	0.3102	0.6045	1.526
487	43.7	44.8	0.5632	1.3523	0.1298	2.0452	0.6303	0.3129	0.5769	1.5201
488	44	44.7	0.5619	1.3529	0.1293	2.0441	0.6422	0.3153	0.573	1.5305
489	45	44.6	0.5614	1.3524	0.1291	2.043	0.6582	0.3052	0.5614	1.5248
490	45.6	44.7	0.5602	1.3529	0.1288	2.0418	0.6839	0.3067	0.542	1.5326
491	45.1	44.6	0.558	1.353	0.1287	2.0397	0.7111	0.2984	0.5341	1.5436
492	44.6	44.4	0.5581	1.3527	0.1275	2.0382	0.7078	0.2924	0.5318	1.532
493	43.6	44.3	0.5566	1.351	0.127	2.0347	0.6995	0.2877	0.5349	1.5221
494	44.4	43.9	0.5554	1.3501	0.1278	2.0333	0.6976	0.2921	0.5285	1.5182
495	44.7	43.7	0.554	1.3494	0.1269	2.0304	0.6869	0.2869	0.5337	1.5075
496	42.8	43.5	0.5534	1.3501	0.1261	2.0296	0.6691	0.2906	0.5382	1.4979
497	43	43.4	0.5528	1.3509	0.1247	2.0285	0.6484	0.2873	0.5478	1.4835
498	44.2	43.4	0.5517	1.3501	0.1242	2.026	0.6303	0.2901	0.5514	1.4718
499	44.3	43.3	0.5501	1.3501	0.1248	2.025	0.647	0.2829	0.5463	1.4761
500	43.5	43.2	0.5498	1.3497	0.1241	2.0237	0.6274	0.2932	0.552	1.4726
501	41.4	43	0.5481	1.3498	0.1242	2.022	0.6317	0.2857	0.5448	1.4622
502	42.6	42.9	0.548	1.3496	0.124	2.0216	0.6311	0.2862	0.5276	1.4449
503	39.8	42.9	0.5487	1.3488	0.124	2.0216	0.6561	0.2864	0.5045	1.4469
504	42.7	42.8	0.5493	1.3487	0.123	2.021	0.6606	0.2865	0.4991	1.4462
505	42.2	42.9	0.5488	1.3499	0.1222	2.021	0.6684	0.2873	0.5065	1.4622
506	42	43	0.5482	1.3502	0.1216	2.02	0.6786	0.2883	0.4989	1.4658
507	42.4	43.1	0.5479	1.3491	0.1221	2.0191	0.6619	0.2894	0.4958	1.4471
508	43.2	43.1	0.5472	1.3482	0.1224	2.0179	0.6532	0.2837	0.5009	1.4378
509	43.8	43.1	0.5466	1.3474	0.1224	2.0164	0.6551	0.283	0.5014	1.4395

510	42	43.1	0.5469	1.3475	0.1214	2.0158	0.6512	0.2937	0.5021	1.4471
511	41.7	43.2	0.5483	1.3468	0.1207	2.0158	0.6642	0.2884	0.4979	1.4504
512	43.7	43.3	0.5479	1.3451	0.121	2.0141	0.6517	0.2938	0.4895	1.435
513	44	43.4	0.5468	1.3433	0.1205	2.0107	0.692	0.2806	0.4665	1.4392
514	45.6	43.3	0.5468	1.3436	0.1203	2.0107	0.6909	0.2891	0.4456	1.4256
515	44.3	43.4	0.5444	1.3431	0.1197	2.0071	0.6721	0.2881	0.4523	1.4125
516	45.3	43.4	0.5445	1.3433	0.1186	2.0065	0.6741	0.2929	0.4429	1.41
517	45.3	43.3	0.543	1.344	0.1176	2.0046	0.6745	0.3039	0.4349	1.4133
518	43.8	43.2	0.5432	1.3448	0.1166	2.0046	0.6841	0.3134	0.4289	1.4264
519	43.2	43.1	0.5419	1.3439	0.1174	2.0031	0.6708	0.3158	0.4342	1.4208
520	43.8	43.1	0.5417	1.3433	0.1163	2.0013	0.6586	0.3063	0.4339	1.3988
521	43.1	43	0.5406	1.3429	0.116	1.9995	0.6589	0.3046	0.4328	1.3964
522	42	43	0.5404	1.3425	0.1157	1.9985	0.6368	0.3038	0.4353	1.3758
523	41.8	43	0.5406	1.3426	0.115	1.9982	0.6161	0.305	0.4472	1.3683
524	42.7	42.8	0.5397	1.3429	0.1136	1.9962	0.6083	0.3066	0.4358	1.3506
525	42.7	42.7	0.5389	1.3425	0.1121	1.9935	0.6296	0.316	0.4238	1.3694
526	40	42.6	0.5368	1.3418	0.1123	1.9908	0.6255	0.3241	0.4232	1.3728
527	41.9	42.4	0.5342	1.3427	0.1138	1.9908	0.6356	0.3228	0.4207	1.3791
528	41.3	42.3	0.5323	1.3421	0.1157	1.9901	0.6345	0.3239	0.4285	1.387
529	41.8	42.3	0.5342	1.3417	0.1141	1.99	0.6315	0.3369	0.4333	1.4016
530	40.3	42.3	0.5339	1.3419	0.1121	1.988	0.6262	0.3441	0.4259	1.3961
531	43.2	42.3	0.5339	1.3416	0.1112	1.9867	0.6308	0.3437	0.4165	1.391
532	44	42.3	0.5334	1.3411	0.1105	1.985	0.6229	0.3492	0.407	1.379
533	42.5	42.4	0.5333	1.3409	0.1091	1.9833	0.6186	0.3398	0.4119	1.3703
534	43.4	42.3	0.5329	1.3408	0.1095	1.9831	0.6143	0.3398	0.4021	1.3562
535	41.7	42.2	0.5329	1.3405	0.1097	1.9831	0.6172	0.3268	0.3861	1.3301
536	42.2	42.4	0.5312	1.34	0.1111	1.9823	0.697	0.3117	0.3901	1.3988
537	42.1	42.4	0.5309	1.3394	0.1103	1.9806	0.9735	0.2999	0.3731	1.6465
538	43.2	42.4	0.5306	1.3389	0.1101	1.9797	0.9731	0.3051	0.3318	1.61
539	43.1	42.3	0.5293	1.3381	0.1099	1.9773	0.9577	0.3139	0.3557	1.6273
540	43.1	42.3	0.527	1.3381	0.1107	1.9758	0.9512	0.3045	0.3697	1.6254
541	43	42.2	0.5272	1.338	0.1105	1.9757	0.9337	0.3235	0.372	1.6291
542	43.1	42.1	0.5273	1.3372	0.1095	1.974	0.9146	0.3416	0.3722	1.6284
543	41.2	42	0.5268	1.3361	0.109	1.9719	0.9306	0.3431	0.3704	1.6441
544	41.2	41.9	0.5261	1.3357	0.1085	1.9704	0.9331	0.3298	0.3693	1.6321
545	42.4	41.9	0.5252	1.3347	0.1085	1.9684	0.9238	0.3233	0.3781	1.6251
546	41.9	41.9	0.5248	1.3337	0.1081	1.9666	0.9068	0.3173	0.3711	1.5952

547	41.7	41.9	0.5247	1.3328	0.1069	1.9644	0.9057	0.3285	0.3678	1.6019
548	39.8	41.8	0.5237	1.3322	0.1071	1.963	0.9078	0.3352	0.3573	1.6003
549	41.5	41.7	0.523	1.3322	0.1067	1.9619	0.906	0.3266	0.3482	1.5809
550	40.1	41.6	0.5224	1.3332	0.1061	1.9618	0.8933	0.3298	0.352	1.5751
551	41.9	41.7	0.523	1.3329	0.1053	1.9612	0.8999	0.3354	0.3477	1.5829
552	41.1	41.6	0.5229	1.3325	0.1054	1.9608	0.8867	0.3469	0.3523	1.5859
553	42.1	41.6	0.5217	1.3315	0.105	1.9582	0.8903	0.3425	0.3521	1.5849
554	41	41.5	0.5198	1.3314	0.1038	1.955	0.9019	0.3313	0.3576	1.5907
555	43.1	41.4	0.5187	1.3313	0.1032	1.9533	0.9085	0.3345	0.3499	1.5929
556	41.8	41.3	0.519	1.331	0.1027	1.9527	0.9136	0.3554	0.3399	1.6089
557	41	41.2	0.5191	1.3311	0.102	1.9522	0.9132	0.3707	0.3353	1.6193
558	40.4	41.2	0.5184	1.3312	0.1019	1.9515	0.9148	0.3704	0.3413	1.6265
559	42.1	41.2	0.5166	1.3301	0.102	1.9487	0.9139	0.3597	0.348	1.6216
560	44.4	41.2	0.5154	1.3304	0.1013	1.947	0.9266	0.3474	0.3517	1.6258
561	41.2	41.1	0.5154	1.3296	0.1009	1.9458	0.94	0.3552	0.345	1.6402
562	40.7	41.1	0.5139	1.3298	0.1003	1.9439	0.9561	0.3475	0.3434	1.647
563	40.9	41	0.5135	1.3292	0.1004	1.9431	0.9668	0.3353	0.3448	1.6469
564	39.4	41	0.5133	1.3293	0.1004	1.943	0.9646	0.3278	0.3396	1.632
565	40	40.9	0.512	1.3292	0.0999	1.9411	0.9683	0.3362	0.3389	1.6435
566	40.8	40.8	0.51	1.3287	0.1002	1.9389	0.963	0.3245	0.3326	1.6201
567	39.2	40.8	0.5084	1.328	0.1005	1.937	0.9746	0.3188	0.318	1.6113
568	40.8	40.7	0.5084	1.3274	0.1001	1.936	0.9644	0.3338	0.3038	1.602
569	41.2	40.6	0.5092	1.3276	0.0993	1.936	0.9734	0.348	0.295	1.6164
570	39.9	40.4	0.5088	1.3275	0.099	1.9353	0.966	0.3492	0.3033	1.6186
571	40.3	40.3	0.5089	1.3266	0.0987	1.9342	0.971	0.3526	0.2894	1.613
572	41.3	40.3	0.5088	1.3258	0.0975	1.932	0.9558	0.3515	0.2968	1.604
573	40.4	40.3	0.5077	1.3257	0.0967	1.9301	0.9541	0.3546	0.2992	1.6079
574	40.4	40.3	0.5059	1.3251	0.0959	1.9269	0.9664	0.3637	0.2907	1.6208
575	41.2	40.2	0.5063	1.3236	0.0953	1.9252	0.9694	0.3683	0.2863	1.6239
576	40.2	40.2	0.5055	1.323	0.095	1.9236	0.9645	0.3619	0.2746	1.601
577	39.7	40.3	0.5048	1.3223	0.0944	1.9215	0.9445	0.3515	0.288	1.584
578	39.9	40.3	0.5046	1.3215	0.0935	1.9195	0.9335	0.361	0.3066	1.6011
579	41	40.2	0.5045	1.3216	0.0928	1.9188	0.9172	0.3593	0.3304	1.6069
580	38.8	40.1	0.5042	1.3215	0.0926	1.9183	0.9289	0.3507	0.3188	1.5985
581	39.5	40.1	0.5042	1.3209	0.0926	1.9177	0.9256	0.3581	0.3038	1.5875
582	41.5	40	0.5041	1.3216	0.0919	1.9177	0.9345	0.3649	0.3043	1.6036
583	39.6	40	0.5043	1.3211	0.0919	1.9173	0.9388	0.3677	0.3066	1.6131

584	38.7	39.9	0.5036	1.3212	0.0919	1.9167	0.9442	0.3622	0.2964	1.6028
585	40.2	40	0.4947	1.3219	0.0911	1.9077	0.9532	0.3595	0.2996	1.6123
586	41.4	40	0.4672	1.3221	0.0929	1.8823	0.9491	0.3634	0.2975	1.61
587	40.7	40	0.4659	1.3218	0.0966	1.8842	0.9556	0.3577	0.3128	1.6261
588	38.9	40	0.4662	1.3215	0.0937	1.8813	0.9619	0.3442	0.3185	1.6246
589	38.9	39.9	0.4663	1.322	0.0921	1.8804	0.9625	0.3432	0.3139	1.6195
590	39	40	0.4668	1.3205	0.0916	1.8789	0.9584	0.3417	0.3178	1.6179
591	39.4	40	0.4665	1.3189	0.0915	1.8769	0.9403	0.3452	0.3249	1.6105
592	40.4	39.8	0.465	1.3184	0.0904	1.8738	0.9479	0.354	0.327	1.6288
593	39.9	39.6	0.4633	1.3181	0.0901	1.8714	0.9587	0.3526	0.3207	1.632
594	42.4	39.5	0.463	1.3178	0.09	1.8708	0.9509	0.3432	0.3172	1.6113
595	40.1	39.4	0.4633	1.3177	0.0898	1.8709	0.9403	0.3389	0.3151	1.5943
596	40.2	39.2	0.4628	1.3173	0.0893	1.8694	0.9287	0.333	0.3224	1.5842
597	39.5	39	0.4621	1.3174	0.089	1.8685	0.9254	0.33	0.3184	1.5738
598	39.8	39	0.4611	1.3174	0.0894	1.8679	0.9268	0.3206	0.3089	1.5562
599	40.3	38.9	0.4608	1.3171	0.0895	1.8675	0.9195	0.3079	0.3147	1.5422
600	38.3	38.8	0.4598	1.3162	0.0894	1.8654	0.9314	0.324	0.3142	1.5696
601	38	38.8	0.4594	1.3151	0.0889	1.8635	0.9369	0.3345	0.3042	1.5757
602	37.3	38.7	0.459	1.3153	0.0888	1.8631	0.9476	0.3316	0.2989	1.5781
603	36.6	38.6	0.4585	1.3157	0.0883	1.8625	0.9465	0.3321	0.3064	1.585
604	37.5	38.4	0.4584	1.3153	0.088	1.8617	0.9328	0.327	0.3048	1.5646
605	37	38.2	0.4575	1.3144	0.0882	1.8601	0.915	0.3317	0.2875	1.5342
606	38	38	0.4569	1.3131	0.0881	1.8581	0.9089	0.3282	0.2782	1.5153
607	37.9	37.8	0.4564	1.3121	0.0879	1.8564	0.9155	0.322	0.2785	1.516
608	38.3	37.8	0.4558	1.3123	0.0876	1.8557	0.9189	0.3411	0.2766	1.5365
609	36.8	37.7	0.4539	1.3126	0.0873	1.8538	0.9169	0.3431	0.2803	1.5403
610	38.1	37.7	0.4529	1.312	0.0869	1.8518	0.9031	0.3263	0.2808	1.5103
611	38.4	37.8	0.4527	1.312	0.0864	1.8511	0.8953	0.3351	0.2762	1.5065
612	39.2	37.9	0.4513	1.3116	0.0865	1.8494	0.8921	0.3426	0.2699	1.5045
613	38	38	0.4504	1.3105	0.0865	1.8475	0.885	0.3514	0.2698	1.5062
614	35.9	38.2	0.45	1.31	0.0864	1.8464	0.8873	0.3433	0.2769	1.5074
615	37.6	38.3	0.4481	1.3106	0.0864	1.8451	0.8848	0.3381	0.2822	1.5051
616	36.2	38.4	0.4471	1.3114	0.0868	1.8453	0.8717	0.3404	0.2827	1.4949
617	38.7	38.2	0.4466	1.3106	0.0872	1.8444	0.8583	0.3429	0.2897	1.4909
618	38.7	38.2	0.4458	1.31	0.0871	1.843	0.85	0.3388	0.2942	1.483
619	38.8	38.2	0.4453	1.3089	0.0871	1.8413	0.851	0.3305	0.2945	1.476
620	39.8	38.1	0.4446	1.3081	0.0874	1.84	0.8586	0.3386	0.286	1.4832

621	39.1	38.2	0.445	1.3078	0.0863	1.8391	0.8658	0.3433	0.2731	1.4822
622	38.8	38.1	0.445	1.307	0.0858	1.8377	0.8667	0.3367	0.2678	1.4712
623	40.1	38	0.444	1.3062	0.0859	1.8361	0.8663	0.3378	0.2455	1.4495
624	40	38	0.4428	1.3061	0.085	1.8338	0.8656	0.3344	0.239	1.4389
625	38.4	37.9	0.4425	1.3063	0.0846	1.8334	0.8511	0.33	0.2366	1.4178
626	35.7	37.8	0.4423	1.3066	0.0835	1.8324	0.8644	0.315	0.2368	1.4162
627	38.2	37.7	0.4409	1.3066	0.0832	1.8307	0.8681	0.318	0.2378	1.424
628	36.1	37.6	0.4406	1.3061	0.0826	1.8294	0.875	0.3082	0.2308	1.414
629	37.1	37.4	0.4413	1.3066	0.0822	1.8301	0.8711	0.2945	0.2231	1.3887
630	38.7	37.2	0.4413	1.3061	0.0817	1.8292	0.8662	0.3046	0.2223	1.3931
631	37.9	37.2	0.4404	1.3052	0.0808	1.8263	0.8664	0.3182	0.2269	1.4116
632	36.9	37.1	0.4395	1.3043	0.0798	1.8236	0.876	0.3102	0.2325	1.4187
633	35.3	36.8	0.4389	1.3046	0.0795	1.823	0.882	0.3158	0.2232	1.421
634	35.3	36.6	0.4375	1.3048	0.0795	1.8219	0.8876	0.3162	0.2235	1.4273
635	34.6	36.4	0.4379	1.3042	0.0799	1.8221	0.8942	0.3291	0.2277	1.451
636	36.2	36.4	0.4356	1.3042	0.0798	1.8197	0.8139	0.3341	0.219	1.3669
637	36.7	36.3	0.4347	1.305	0.0784	1.8182	0.5421	0.3343	0.2381	1.1145
638	36.5	36.3	0.4343	1.3046	0.0788	1.8177	0.5287	0.3378	0.2748	1.1413
639	35.9	36.2	0.4334	1.3039	0.0781	1.8155	0.5038	0.3381	0.2729	1.1148
640	38.3	36	0.433	1.3035	0.0782	1.8147	0.4803	0.3459	0.2819	1.1081
641	36.2	36	0.4324	1.3026	0.0778	1.8128	0.4742	0.3341	0.283	1.0913
642	35.9	35.9	0.4314	1.302	0.0774	1.8108	0.4716	0.3175	0.2863	1.0754
643	35.8	36	0.4317	1.3018	0.0772	1.8108	0.4485	0.3161	0.2895	1.0541
644	35.1	36	0.4321	1.3018	0.077	1.8109	0.4387	0.3125	0.2861	1.0373
645	35.7	35.9	0.4323	1.3014	0.0763	1.81	0.4396	0.325	0.2851	1.0497
646	35	35.8	0.4322	1.3007	0.0762	1.8092	0.4568	0.3228	0.2856	1.0651
647	37.3	35.6	0.432	1.3007	0.076	1.8088	0.4566	0.3134	0.2867	1.0567
648	34.7	35.5	0.4317	1.3014	0.0756	1.8088	0.4487	0.3196	0.2909	1.0592
649	34.5	35.4	0.4298	1.2998	0.0752	1.8049	0.4466	0.3231	0.2988	1.0685
650	37.8	35.1	0.4287	1.2998	0.0757	1.8042	0.4562	0.3287	0.2857	1.0706
651	35.8	34.9	0.4282	1.2998	0.0754	1.8034	0.4524	0.3354	0.2727	1.0605
652	36.8	34.8	0.4283	1.2993	0.0748	1.8023	0.4467	0.3312	0.2706	1.0485
653	34.7	34.7	0.4284	1.2988	0.0745	1.8018	0.445	0.3395	0.2742	1.0587
654	33.7	34.6	0.4283	1.2983	0.075	1.8016	0.4452	0.3455	0.2764	1.0671
655	33.9	34.5	0.4278	1.2985	0.0754	1.8017	0.4514	0.3437	0.2802	1.0753
656	32.7	34.5	0.4275	1.2988	0.0748	1.8011	0.4496	0.3431	0.285	1.0777
657	34.5	34.3	0.4272	1.297	0.0744	1.7985	0.4527	0.3271	0.2839	1.0637

658	33.7	34.3	0.4267	1.2969	0.0738	1.7975	0.4591	0.319	0.282	1.0602
659	32.4	34.3	0.4263	1.2974	0.0739	1.7976	0.4626	0.3297	0.2785	1.0708
660	33.3	34	0.4258	1.2969	0.0736	1.7964	0.4535	0.3289	0.2778	1.0602
661	33.7	33.8	0.4262	1.2953	0.0739	1.7954	0.4493	0.3214	0.2777	1.0483
662	33	33.6	0.4254	1.2946	0.0733	1.7933	0.4573	0.3214	0.2765	1.0552
663	34	33.5	0.4248	1.2948	0.0728	1.7924	0.4488	0.3177	0.2807	1.0472
664	34.6	33.5	0.4248	1.2955	0.0721	1.7925	0.4443	0.3057	0.2801	1.0301
665	34.2	33.5	0.4248	1.2952	0.0716	1.7917	0.4416	0.3047	0.2817	1.028
666	34.3	33.5	0.4242	1.2944	0.0713	1.7898	0.4366	0.3232	0.2901	1.0499
667	33.4	33.4	0.4234	1.2942	0.0711	1.7887	0.4357	0.3365	0.2979	1.0701
668	34.5	33.3	0.4233	1.2944	0.0707	1.7884	0.4406	0.3268	0.3046	1.072
669	33.3	33.3	0.4233	1.2937	0.0707	1.7877	0.4343	0.3189	0.3101	1.0634
670	31.4	33.2	0.4222	1.2931	0.0717	1.7871	0.421	0.3181	0.3138	1.0528
671	33.1	33.2	0.4222	1.2929	0.0719	1.7871	0.4153	0.33	0.3196	1.0648
672	33	33.1	0.4221	1.292	0.0729	1.787	0.4143	0.3307	0.3028	1.0478
673	33.9	33	0.4211	1.2923	0.0728	1.7862	0.4106	0.3244	0.2958	1.0308
674	33.7	33	0.4208	1.292	0.0722	1.7851	0.4046	0.3159	0.295	1.0154
675	32.8	32.9	0.4199	1.2921	0.0717	1.7836	0.3959	0.3186	0.2887	1.0032
676	33.3	32.8	0.4187	1.2912	0.0713	1.7812	0.3872	0.3174	0.29	0.9946
677	31.8	32.8	0.4173	1.2915	0.0713	1.7801	0.3811	0.3196	0.2818	0.9825
678	31.5	32.7	0.4174	1.2921	0.0711	1.7807	0.3708	0.3216	0.279	0.9714
679	32.1	32.6	0.4179	1.2911	0.0706	1.7795	0.3724	0.3132	0.2753	0.9609
680	33.2	32.6	0.4176	1.2897	0.0699	1.7771	0.3848	0.3232	0.2791	0.9871
681	31.2	32.5	0.4166	1.2899	0.0693	1.7758	0.3843	0.3255	0.2745	0.9843
682	32.5	32.4	0.4159	1.29	0.0696	1.7756	0.3733	0.3272	0.2657	0.9662
683	33.2	32.3	0.4156	1.2894	0.0696	1.7746	0.3651	0.3242	0.2663	0.9555
684	32.7	32.2	0.4142	1.2883	0.0691	1.7716	0.3612	0.3248	0.261	0.947
685	33.3	32	0.4133	1.2885	0.0692	1.771	0.3529	0.3247	0.2609	0.9385
686	32.6	31.9	0.413	1.2887	0.0691	1.7708	0.3586	0.3164	0.2619	0.9369
687	32.5	31.8	0.413	1.288	0.0691	1.7701	0.3339	0.3207	0.2651	0.9198
688	32.3	31.8	0.4158	1.2877	0.0664	1.7699	0.3381	0.3264	0.2549	0.9195
689	31.1	31.8	0.4183	1.2874	0.0639	1.7696	0.3474	0.3228	0.2592	0.9294
690	30.7	31.6	0.4194	1.2871	0.0633	1.7697	0.3535	0.3192	0.2511	0.9237
691	31.8	31.7	0.4194	1.2871	0.0628	1.7693	0.3562	0.3067	0.2518	0.9148
692	31.6	31.5	0.4201	1.2868	0.0615	1.7684	0.3541	0.2954	0.2459	0.8953
693	31.3	31.3	0.4194	1.2868	0.0615	1.7677	0.3363	0.2921	0.2402	0.8686
694	30.1	31.2	0.4191	1.2852	0.0615	1.7658	0.3178	0.2915	0.2416	0.8509

695	30.4	31	0.4177	1.2854	0.0613	1.7644	0.3182	0.2916	0.2409	0.8506
696	30.4	30.9	0.4171	1.2859	0.0606	1.7637	0.3226	0.2861	0.2321	0.8408
697	32.1	30.8	0.4172	1.2854	0.0599	1.7626	0.3314	0.2734	0.2337	0.8385
698	31.3	30.7	0.4165	1.2851	0.0595	1.7611	0.3461	0.2704	0.2328	0.8492
699	30.1	30.7	0.4152	1.2842	0.061	1.7604	0.3531	0.278	0.2347	0.8658
700	31.4	30.7	0.4146	1.2826	0.0621	1.7593	0.3376	0.2772	0.2382	0.853
701	29.5	30.6	0.4147	1.282	0.0619	1.7586	0.3358	0.2861	0.2431	0.8651
702	29.4	30.6	0.4145	1.2814	0.0614	1.7572	0.3189	0.2942	0.241	0.854
703	30.1	30.5	0.414	1.2812	0.0606	1.7558	0.3148	0.2928	0.2407	0.8482
704	30.6	30.5	0.4133	1.2809	0.06	1.7542	0.325	0.3002	0.2453	0.8706
705	30.2	30.4	0.4125	1.2801	0.0597	1.7523	0.3279	0.2881	0.2466	0.8625
706	31	30.3	0.4116	1.2804	0.0597	1.7517	0.3346	0.292	0.2543	0.8809
707	30.5	30.2	0.4105	1.2802	0.0597	1.7504	0.3348	0.2954	0.2492	0.8794
708	30.8	30.2	0.4096	1.2793	0.0597	1.7486	0.3364	0.2719	0.2426	0.8509
709	30.3	30.2	0.4086	1.2797	0.0595	1.7478	0.3344	0.2748	0.2407	0.8499
710	31	30.1	0.408	1.2799	0.0591	1.747	0.3356	0.2819	0.243	0.8605
711	30.4	30	0.4069	1.2799	0.0587	1.7456	0.3312	0.281	0.2422	0.8545
712	29.1	30	0.4064	1.2798	0.0585	1.7447	0.3336	0.2706	0.2446	0.8488
713	30.6	30	0.406	1.28	0.0585	1.7444	0.3247	0.2704	0.2384	0.8335
714	29.4	30	0.4058	1.2795	0.0582	1.7436	0.3205	0.2775	0.2308	0.8287
715	28.5	29.9	0.4045	1.2783	0.0574	1.7401	0.3191	0.2897	0.2273	0.8361
716	30.3	29.8	0.4035	1.2778	0.057	1.7383	0.3233	0.2858	0.2264	0.8356
717	30.9	29.7	0.4025	1.2779	0.0567	1.7372	0.3205	0.2699	0.2229	0.8133
718	29.2	29.6	0.4024	1.2781	0.0561	1.7367	0.3178	0.2741	0.2228	0.8147
719	29.2	29.5	0.4032	1.2771	0.0557	1.736	0.3275	0.2845	0.2237	0.8356
720	28.8	29.3	0.4031	1.2751	0.0554	1.7336	0.3436	0.2796	0.2287	0.8519
721	29.1	29.2	0.4036	1.2747	0.056	1.7343	0.3429	0.2784	0.2395	0.8609
722	30.5	29.1	0.4039	1.2746	0.0562	1.7347	0.3637	0.2787	0.2413	0.8837
723	29.5	29	0.4035	1.2746	0.0564	1.7346	0.3704	0.2787	0.2545	0.9036
724	29.3	28.8	0.4032	1.2742	0.0561	1.7335	0.3546	0.2869	0.2624	0.9039
725	29.4	28.8	0.4038	1.2746	0.0556	1.734	0.3509	0.29	0.2609	0.9018
726	28.5	28.7	0.4042	1.2747	0.0553	1.7342	0.3441	0.2953	0.2556	0.8951
727	27.9	28.6	0.4038	1.2745	0.0553	1.7336	0.3394	0.2937	0.255	0.8882
728	28.7	28.5	0.4033	1.2748	0.0551	1.7333	0.3327	0.2887	0.2598	0.8812
729	27.2	28.4	0.4028	1.2743	0.0543	1.7314	0.3375	0.303	0.2607	0.9012
730	27.9	28.4	0.4029	1.2736	0.0543	1.7308	0.3452	0.288	0.2622	0.8954
731	27.9	28.4	0.4031	1.2724	0.0542	1.7297	0.3454	0.2647	0.2583	0.8684

732	28.3	28.2	0.403	1.2719	0.0532	1.7281	0.3364	0.2698	0.2544	0.8606
733	27.1	28.2	0.4028	1.2722	0.0534	1.7283	0.3353	0.2709	0.259	0.8652
734	27.1	28.2	0.4022	1.2723	0.0535	1.728	0.3378	0.2647	0.2585	0.861
735	28.4	28.2	0.4021	1.2726	0.0537	1.7284	0.3318	0.2582	0.2553	0.8453
736	28.9	28.2	0.4023	1.2722	0.0533	1.7277	0.3321	0.264	0.26	0.8561
737	27.9	28.2	0.4009	1.2724	0.0529	1.7262	0.341	0.2756	0.2606	0.8771
738	27.4	28.3	0.3996	1.2723	0.0528	1.7248	0.3507	0.2708	0.2617	0.8832
739	29	28.4	0.3981	1.272	0.053	1.7231	0.376	0.2684	0.2359	0.8803
740	27.9	28.5	0.3974	1.2729	0.053	1.7232	0.4039	0.2725	0.2124	0.8889
741	28	28.6	0.397	1.273	0.0532	1.7233	0.415	0.2825	0.2076	0.9051
742	29.1	28.7	0.3978	1.2728	0.0534	1.7239	0.4161	0.2837	0.2039	0.9037
743	29.5	28.8	0.3999	1.2727	0.0531	1.7257	0.4288	0.2865	0.1905	0.9059
744	28.2	28.9	0.4003	1.2727	0.0529	1.7259	0.4222	0.2916	0.2	0.9138
745	28.7	29	0.4001	1.2728	0.0531	1.7259	0.4221	0.2719	0.2049	0.8989
746	29.2	29	0.3991	1.2734	0.0529	1.7253	0.4065	0.2768	0.2034	0.8867
747	29.2	29	0.3974	1.2737	0.0528	1.7239	0.4009	0.2832	0.196	0.8801
748	30.2	29.1	0.3964	1.2736	0.0521	1.7222	0.4034	0.2871	0.1883	0.8789
749	29.7	29.1	0.3961	1.2721	0.0514	1.7196	0.4058	0.285	0.184	0.8749
750	29.3	29.2	0.3951	1.2712	0.0514	1.7177	0.3976	0.265	0.2033	0.8659
751	29.9	29.3	0.3964	1.2703	0.0513	1.718	0.394	0.2488	0.214	0.8568
752	29.4	29.3	0.3968	1.27	0.0507	1.7175	0.4033	0.2344	0.2117	0.8493
753	29.4	29.2	0.3959	1.2688	0.05	1.7147	0.4149	0.2401	0.2064	0.8614
754	30.2	29.1	0.3955	1.2694	0.0504	1.7153	0.4198	0.2439	0.2028	0.8665
755	28.9	29.1	0.3944	1.2693	0.05	1.7136	0.4263	0.2403	0.1981	0.8647
756	28.2	29	0.394	1.2693	0.0499	1.7132	0.4395	0.2274	0.1854	0.8522
757	28.8	29	0.3935	1.2698	0.0501	1.7134	0.4396	0.2258	0.1632	0.8285
758	29.2	28.9	0.3933	1.2694	0.0498	1.7125	0.4314	0.2319	0.1643	0.8276
759	29.5	28.9	0.3927	1.2693	0.0496	1.7116	0.4235	0.2308	0.1653	0.8196
760	30	28.8	0.3927	1.2688	0.0494	1.7109	0.4112	0.2445	0.1633	0.8191
761	29.1	28.7	0.3928	1.2682	0.0494	1.7105	0.4037	0.2507	0.1603	0.8147
762	27.9	28.7	0.3929	1.2676	0.0495	1.71	0.3985	0.2471	0.1582	0.8037
763	26.8	28.7	0.3927	1.2671	0.0497	1.7095	0.3976	0.2439	0.1558	0.7973
764	28.5	28.6	0.3929	1.2666	0.0494	1.7089	0.4035	0.233	0.1585	0.795
765	27.4	28.6	0.3925	1.2666	0.049	1.7081	0.401	0.2279	0.159	0.7879
766	28.6	28.6	0.3921	1.2674	0.049	1.7085	0.3863	0.211	0.1543	0.7516
767	29	28.6	0.3917	1.2667	0.0488	1.7072	0.3736	0.2144	0.1518	0.7398
768	28.1	28.5	0.3906	1.266	0.0483	1.7048	0.3694	0.2231	0.1468	0.7393

769	27.5	28.4	0.3889	1.2658	0.0478	1.7025	0.3723	0.2279	0.1392	0.7395
770	28.6	28.3	0.3879	1.2653	0.0477	1.701	0.3898	0.2276	0.1357	0.7531
771	30.2	28.1	0.3859	1.265	0.0478	1.6987	0.3929	0.2171	0.138	0.7479
772	29.3	28	0.3851	1.2641	0.0475	1.6967	0.3926	0.2133	0.1492	0.7552
773	28.2	28	0.3857	1.2636	0.0466	1.6958	0.3785	0.2115	0.1512	0.7412
774	28.1	27.9	0.3857	1.263	0.0461	1.6949	0.3852	0.2086	0.1513	0.7451
775	28.1	27.9	0.3854	1.2625	0.0461	1.6941	0.3975	0.2042	0.1352	0.737
776	28.9	27.7	0.3848	1.2618	0.0458	1.6924	0.395	0.2172	0.1327	0.7448
777	27.6	27.5	0.384	1.2626	0.0453	1.692	0.393	0.2212	0.1319	0.7461
778	27.8	27.3	0.3837	1.2618	0.0451	1.6905	0.397	0.216	0.1356	0.7487
779	27.2	27.2	0.3833	1.2623	0.0444	1.69	0.3925	0.2179	0.1436	0.754
780	26.5	27.1	0.383	1.2632	0.0441	1.6903	0.3863	0.2173	0.1389	0.7424
781	25.3	26.8	0.3829	1.2629	0.0439	1.6898	0.3856	0.2165	0.1362	0.7383
782	26.4	26.6	0.3824	1.263	0.0437	1.689	0.4011	0.2049	0.1321	0.7381
783	27.4	26.5	0.3818	1.263	0.0437	1.6885	0.4123	0.1978	0.1216	0.7317
784	26.8	26.5	0.381	1.2625	0.0436	1.6871	0.4047	0.1989	0.1228	0.7264
785	25.6	26.3	0.3801	1.2621	0.0432	1.6854	0.3971	0.1976	0.1213	0.7161
786	25.1	26.2	0.3789	1.2611	0.0431	1.6831	0.3952	0.1922	0.1225	0.7099
787	24.6	26.2	0.3779	1.2609	0.0429	1.6818	0.3971	0.1866	0.1243	0.7079
788	25.8	26.1	0.3782	1.2609	0.0428	1.6818	0.3892	0.1877	0.1329	0.7098
789	25.5	26	0.3779	1.2601	0.0427	1.6807	0.3921	0.1848	0.1333	0.7103
790	24.8	26	0.3779	1.2589	0.0425	1.6792	0.3909	0.1866	0.1321	0.7096
791	26.2	26	0.3778	1.2588	0.0425	1.679	0.3892	0.1962	0.1283	0.7137
792	26.6	26	0.3773	1.2581	0.0424	1.6778	0.3909	0.1941	0.1321	0.717
793	26.4	25.8	0.3772	1.2577	0.0415	1.6763	0.3968	0.1982	0.1372	0.7321
794	25.8	25.7	0.3768	1.2581	0.041	1.6759	0.4153	0.2026	0.1298	0.7477
795	26.4	25.7	0.377	1.2577	0.0409	1.6757	0.4148	0.2174	0.1297	0.7619
796	26.6	25.7	0.377	1.2576	0.041	1.6757	0.4113	0.2239	0.1331	0.7683
797	26.1	25.7	0.3769	1.2567	0.0411	1.6747	0.4059	0.2323	0.1336	0.7718
798	26.4	25.6	0.3759	1.2566	0.0411	1.6736	0.3958	0.2393	0.135	0.7701
799	26.2	25.5	0.3754	1.2577	0.0406	1.6738	0.39	0.2338	0.1294	0.7532
800	25.1	25.4	0.3752	1.2578	0.0407	1.6737	0.3956	0.2207	0.1238	0.7401
801	25.7	25.2	0.3744	1.2586	0.0407	1.6737	0.384	0.207	0.1315	0.7225
802	24.9	25.1	0.373	1.2573	0.0407	1.6711	0.4013	0.2017	0.135	0.738
803	24.8	25	0.372	1.2568	0.0404	1.6692	0.4082	0.2011	0.1268	0.736
804	24.5	24.9	0.3706	1.2569	0.0402	1.6677	0.4036	0.1842	0.1169	0.7047
805	24.9	24.8	0.3686	1.2573	0.0412	1.6671	0.3959	0.1846	0.119	0.6994

806	24.5	24.6	0.3677	1.2578	0.0434	1.6689	0.3895	0.183	0.1165	0.689
807	24.1	24.5	0.3673	1.257	0.0433	1.6676	0.3965	0.1761	0.1169	0.6895
808	23.5	24.5	0.3672	1.2562	0.0432	1.6667	0.4023	0.1813	0.1183	0.7019
809	23.3	24.4	0.3675	1.2553	0.0432	1.6659	0.4087	0.1768	0.1172	0.7027
810	23.4	24.4	0.3676	1.2548	0.0431	1.6655	0.416	0.1684	0.1148	0.6992
811	23.6	24.4	0.3671	1.2552	0.0429	1.6652	0.4222	0.1569	0.1143	0.6934
812	24.2	24.5	0.3666	1.2554	0.0429	1.665	0.4246	0.1491	0.1154	0.6891
813	25.1	24.4	0.3656	1.2567	0.0427	1.6649	0.4276	0.1459	0.116	0.6894
814	24	24.4	0.3657	1.2567	0.0423	1.6648	0.4253	0.1492	0.1197	0.6941
815	24	24.4	0.3658	1.2572	0.042	1.665	0.435	0.1347	0.121	0.6907
816	24	24.4	0.3662	1.2563	0.0418	1.6643	0.4326	0.1269	0.1151	0.6746
817	25	24.4	0.3656	1.2556	0.0421	1.6633	0.4357	0.1361	0.1148	0.6866
818	25.6	24.4	0.3652	1.2554	0.0422	1.6627	0.4374	0.135	0.1089	0.6813
819	24.9	24.5	0.3642	1.2544	0.0421	1.6607	0.4309	0.1304	0.1067	0.6681
820	25.3	24.5	0.3638	1.2534	0.0416	1.6588	0.4198	0.1313	0.1058	0.6569
821	26	24.4	0.3644	1.2533	0.0411	1.6588	0.4101	0.1343	0.1052	0.6496
822	24.2	24.4	0.3661	1.2534	0.0411	1.6605	0.3787	0.1388	0.105	0.6225
823	24.6	24.2	0.365	1.2538	0.0413	1.66	0.3737	0.1302	0.0977	0.6016
824	24.9	24	0.3634	1.2538	0.0426	1.6598	0.3975	0.1176	0.0842	0.5993
825	23.4	24	0.3643	1.2528	0.0423	1.6595	0.4058	0.1091	0.0802	0.5951
826	24.8	23.9	0.3649	1.2526	0.0421	1.6595	0.3984	0.0997	0.082	0.5802
827	24.2	23.7	0.3641	1.2529	0.0417	1.6587	0.3945	0.097	0.0766	0.568
828	24.5	23.6	0.3641	1.253	0.0408	1.6579	0.3922	0.1036	0.0733	0.5691
829	22.9	23.5	0.3642	1.2525	0.0404	1.6572	0.3849	0.0931	0.0771	0.5551
830	22.9	23.4	0.3644	1.2519	0.0407	1.657	0.3716	0.1058	0.0762	0.5535
831	22.5	23.2	0.363	1.252	0.041	1.6559	0.3675	0.1167	0.0759	0.5602
832	21.4	23.1	0.3618	1.2521	0.0411	1.6549	0.3706	0.1112	0.0732	0.555
833	21.6	22.9	0.3623	1.2523	0.0411	1.6557	0.3624	0.113	0.0688	0.5442
834	22.4	22.8	0.3625	1.2526	0.0413	1.6564	0.3543	0.1134	0.0655	0.5333
835	22.5	22.8	0.3626	1.2533	0.0415	1.6574	0.3463	0.1155	0.0622	0.524
836	22.2	22.7	0.3625	1.2535	0.0409	1.6569	0.3386	0.1229	0.0577	0.5192
837	23.7	22.7	0.362	1.2536	0.0397	1.6553	0.3269	0.1138	0.0578	0.4984
838	23.5	22.6	0.3604	1.2538	0.0395	1.6537	0.3079	0.1101	0.0594	0.4774
839	21.8	22.7	0.359	1.2533	0.0398	1.6521	0.307	0.1128	0.0595	0.4793
840	22.7	22.8	0.3584	1.2532	0.0402	1.6519	0.3097	0.1105	0.0589	0.4791
841	21.6	23	0.3579	1.2536	0.04	1.6516	0.3043	0.1045	0.0557	0.4645
842	22.3	23.1	0.3581	1.2529	0.0397	1.6507	0.2932	0.1082	0.0604	0.4618

843	22.4	23.2	0.3584	1.2524	0.0401	1.6509	0.2835	0.1043	0.0669	0.4548
844	23.2	23.3	0.3588	1.2509	0.04	1.6497	0.2868	0.102	0.0637	0.4525
845	23.5	23.3	0.3589	1.2504	0.0397	1.6491	0.2967	0.1095	0.0614	0.4676
846	23.2	23.3	0.3585	1.2501	0.0395	1.6481	0.3067	0.1039	0.0569	0.4675
847	23.4	23.2	0.3578	1.2498	0.0393	1.6469	0.3032	0.1008	0.058	0.462
848	25.1	23.1	0.3574	1.2503	0.0392	1.6469	0.3118	0.0897	0.059	0.4605
849	25.1	23.2	0.3565	1.25	0.039	1.6456	0.3122	0.0844	0.058	0.4545
850	25	23.2	0.3567	1.2505	0.0382	1.6454	0.3111	0.094	0.0536	0.4586
851	24.4	23.3	0.3562	1.2502	0.0378	1.6442	0.307	0.0956	0.0548	0.4574
852	23.7	23.3	0.356	1.2499	0.038	1.6439	0.299	0.1079	0.0538	0.4606
853	23.2	23.2	0.3556	1.2504	0.0383	1.6442	0.284	0.1029	0.0538	0.4407
854	22.6	23.3	0.3559	1.251	0.0385	1.6454	0.2757	0.1017	0.0521	0.4295
855	22.7	23.3	0.3554	1.251	0.0383	1.6447	0.265	0.1061	0.0518	0.4228
856	22.1	23.4	0.3544	1.2516	0.0382	1.6442	0.2428	0.114	0.0642	0.4209
857	21.9	23.5	0.3533	1.2516	0.0383	1.6432	0.2285	0.1244	0.0893	0.4423
858	22.3	23.4	0.3524	1.2518	0.038	1.6422	0.2243	0.1167	0.0914	0.4324
859	23	23.4	0.3511	1.2524	0.0381	1.6417	0.2197	0.1151	0.094	0.4288
860	22.9	23.4	0.3505	1.2531	0.038	1.6416	0.2238	0.1082	0.0936	0.4256
861	22.5	23.4	0.3503	1.2533	0.0379	1.6416	0.2317	0.1093	0.095	0.436
862	22.1	23.5	0.3501	1.253	0.0379	1.641	0.2322	0.1127	0.0937	0.4386
863	23.5	23.6	0.3502	1.2522	0.0377	1.6401	0.23	0.1183	0.095	0.4433
864	24.2	23.7	0.3494	1.2531	0.0373	1.6398	0.222	0.1377	0.0933	0.453
865	24.7	23.8	0.3492	1.2539	0.0375	1.6406	0.2239	0.1458	0.0923	0.4621
866	25	23.9	0.3486	1.2538	0.0375	1.6398	0.2218	0.1558	0.0961	0.4737
867	24.7	24	0.3479	1.2532	0.0379	1.6391	0.2234	0.1509	0.1033	0.4776
868	24.5	24.1	0.3475	1.2529	0.0376	1.638	0.2183	0.1399	0.1113	0.4695
869	24.5	24.2	0.347	1.2526	0.0372	1.6368	0.2177	0.1368	0.1092	0.4637
870	25	24.2	0.3469	1.2519	0.0372	1.636	0.21	0.1316	0.107	0.4487
871	25	24.3	0.348	1.2512	0.0373	1.6364	0.2098	0.1204	0.0981	0.4283
872	25.2	24.3	0.3477	1.2511	0.0377	1.6365	0.2208	0.1241	0.0956	0.4404
873	24.5	24.3	0.3459	1.2518	0.0381	1.6359	0.2412	0.1273	0.1037	0.4722
874	25.1	24.2	0.3451	1.2521	0.0381	1.6354	0.2346	0.1346	0.1114	0.4806
875	23.9	24.2	0.3456	1.2525	0.0379	1.636	0.2211	0.1321	0.1269	0.4802
876	24.3	24.2	0.3453	1.2522	0.0381	1.6356	0.2325	0.121	0.1251	0.4786
877	23.7	24	0.3448	1.2522	0.038	1.6351	0.2425	0.1191	0.1231	0.4846
878	24	23.9	0.3452	1.2525	0.0374	1.635	0.2366	0.1207	0.1202	0.4775
879	23.9	23.9	0.3462	1.2517	0.0367	1.6347	0.2412	0.1199	0.1155	0.4767

880	23.4	23.9	0.3463	1.2515	0.0365	1.6343	0.2636	0.1133	0.1151	0.492
881	23.5	23.7	0.3459	1.2518	0.0366	1.6343	0.275	0.096	0.115	0.486
882	22.9	23.6	0.3461	1.2517	0.0368	1.6346	0.2628	0.0873	0.1167	0.4669
883	23	23.6	0.3464	1.2516	0.0371	1.6351	0.2453	0.0989	0.1196	0.4639
884	23.3	23.4	0.3464	1.2509	0.0374	1.6347	0.2433	0.1112	0.1217	0.4762
885	24.8	23.3	0.3462	1.2498	0.0374	1.6334	0.2372	0.1159	0.1201	0.4732
886	22.4	23.2	0.3462	1.2498	0.0373	1.6333	0.2267	0.1268	0.118	0.4715
887	22.8	23.2	0.3471	1.2499	0.037	1.6341	0.2211	0.1309	0.1144	0.4663
888	23.6	23.2	0.3475	1.2496	0.0369	1.6339	0.2173	0.1347	0.1055	0.4575
889	24.2	23.2	0.3469	1.2491	0.0368	1.6328	0.2061	0.1389	0.1108	0.4558
890	22.7	23.2	0.3475	1.2484	0.0369	1.6328	0.1998	0.1299	0.1195	0.4492
891	23.2	23.2	0.3484	1.248	0.0364	1.6328	0.1894	0.1322	0.1224	0.444
892	23.1	23.1	0.3489	1.2477	0.0357	1.6323	0.1824	0.1379	0.1197	0.4401
893	22.2	23.1	0.3485	1.2475	0.0351	1.6311	0.1831	0.1347	0.1159	0.4336
894	21.9	23	0.3472	1.2471	0.0349	1.6291	0.195	0.1233	0.118	0.4363
895	22.7	22.9	0.3463	1.2473	0.0353	1.6289	0.1957	0.1063	0.1172	0.4193
896	23.7	22.9	0.3467	1.2475	0.0352	1.6295	0.1954	0.1054	0.1138	0.4146
897	24.1	22.9	0.3457	1.2477	0.0352	1.6286	0.1972	0.0961	0.1173	0.4107
898	22.6	22.8	0.3447	1.2482	0.0353	1.6281	0.1963	0.0937	0.1159	0.4059
899	23.9	22.7	0.3443	1.2483	0.0353	1.628	0.2029	0.1058	0.1165	0.4251
900	22.9	22.8	0.3445	1.2482	0.0352	1.6279	0.2091	0.1075	0.1203	0.437
901	22.3	22.8	0.3445	1.2478	0.0353	1.6276	0.2254	0.1109	0.1181	0.4545
902	22.2	22.8	0.3446	1.2471	0.0354	1.627	0.2207	0.1058	0.1152	0.4417
903	21.7	22.8	0.3445	1.2466	0.0352	1.6262	0.2128	0.1045	0.1195	0.4369
904	22.1	22.9	0.3441	1.2463	0.035	1.6254	0.2103	0.1109	0.125	0.4462
905	22.3	22.8	0.3443	1.246	0.0347	1.625	0.2173	0.1193	0.1268	0.4635
906	22.8	22.7	0.3448	1.2454	0.0345	1.6247	0.2115	0.1253	0.1253	0.4621
907	22.3	22.6	0.3449	1.2453	0.0342	1.6244	0.2055	0.142	0.1262	0.4738
908	23.2	22.7	0.3453	1.2447	0.0338	1.6238	0.2	0.1363	0.1267	0.4629
909	23.5	22.6	0.3451	1.2444	0.0338	1.6233	0.193	0.1367	0.1228	0.4525
910	23	22.5	0.3444	1.2439	0.0336	1.6219	0.179	0.1474	0.1262	0.4527
911	22.9	22.5	0.3439	1.2439	0.0336	1.6213	0.1799	0.1546	0.1258	0.4603
912	23.2	22.5	0.3436	1.2436	0.0334	1.6206	0.1805	0.1616	0.1248	0.4669
913	23.2	22.5	0.3434	1.2429	0.0334	1.6196	0.1762	0.1625	0.1227	0.4614
914	21.9	22.5	0.3433	1.2422	0.0331	1.6186	0.1859	0.1588	0.1216	0.4662
915	21.9	22.5	0.3436	1.2416	0.0324	1.6176	0.1968	0.1702	0.1156	0.4826
916	22.1	22.4	0.3438	1.2413	0.0315	1.6166	0.1972	0.1854	0.1187	0.5013

917	23.2	22.4	0.3438	1.2416	0.0309	1.6163	0.1977	0.1821	0.1201	0.4999
918	22.2	22.3	0.3434	1.2417	0.0313	1.6164	0.1961	0.1742	0.1231	0.4934
919	21.8	22.2	0.3432	1.2412	0.0314	1.6158	0.1904	0.1629	0.1181	0.4714
920	22.2	22.1	0.3428	1.2413	0.0318	1.6159	0.1849	0.1577	0.1138	0.4564
921	22.6	22	0.3423	1.2409	0.0315	1.6148	0.1871	0.1529	0.1176	0.4577
922	21.8	21.9	0.3419	1.2407	0.0307	1.6133	0.201	0.1472	0.1211	0.4694
923	22.1	21.9	0.3415	1.2403	0.0301	1.612	0.1957	0.1551	0.1312	0.4819
924	21.8	21.9	0.3413	1.2406	0.0299	1.6118	0.1787	0.1701	0.1389	0.4877
925	21.4	21.9	0.341	1.2408	0.0298	1.6116	0.1823	0.1699	0.1391	0.4912
926	21.1	21.8	0.3406	1.2406	0.0298	1.6111	0.1926	0.1735	0.1362	0.5023
927	21.2	21.7	0.3404	1.2408	0.0297	1.6109	0.1914	0.1796	0.1371	0.5081
928	21.3	21.6	0.34	1.241	0.0292	1.6102	0.1823	0.1868	0.1349	0.504
929	22	21.7	0.3378	1.2412	0.0289	1.6079	0.1866	0.1935	0.1286	0.5088
930	21	21.6	0.3369	1.2423	0.0292	1.6083	0.2092	0.1952	0.1226	0.527
931	21.1	21.6	0.3367	1.2432	0.0293	1.6092	0.2182	0.1949	0.122	0.5351
932	22.5	21.6	0.3372	1.2422	0.0291	1.6085	0.2178	0.1933	0.1282	0.5393
933	21.8	21.7	0.338	1.2411	0.0289	1.6081	0.2255	0.187	0.1332	0.5457
934	22.1	21.7	0.3388	1.241	0.0293	1.6091	0.2308	0.1863	0.135	0.552
935	21	21.8	0.3399	1.2407	0.0297	1.6102	0.2338	0.1845	0.1345	0.5527
936	20.9	21.8	0.3404	1.2404	0.0294	1.6103	0.2345	0.1764	0.1353	0.5463
937	21.4	21.8	0.3402	1.2402	0.0291	1.6095	0.2359	0.1775	0.1379	0.5514
938	21.9	21.9	0.3398	1.24	0.0284	1.6082	0.248	0.1763	0.1334	0.5577
939	21.4	21.9	0.339	1.2404	0.0279	1.6072	0.2507	0.1741	0.1288	0.5537
940	22.5	22	0.3395	1.24	0.028	1.6075	0.2463	0.1764	0.1292	0.5519
941	22.6	22.1	0.3397	1.2399	0.028	1.6076	0.2553	0.1745	0.1324	0.5622
942	22.6	22.1	0.3398	1.2395	0.0281	1.6074	0.2603	0.1706	0.1293	0.5602
943	22.6	22.1	0.3389	1.2401	0.0283	1.6073	0.261	0.1699	0.1227	0.5537
944	22.2	22.2	0.3392	1.2403	0.0282	1.6078	0.2577	0.1675	0.118	0.5431
945	21.5	22.4	0.3394	1.2399	0.0284	1.6076	0.2444	0.167	0.1166	0.5281
946	22.5	22.4	0.3388	1.2405	0.0278	1.6071	0.2344	0.172	0.1238	0.5302
947	22.5	22.5	0.3382	1.2404	0.0277	1.6063	0.2356	0.1752	0.1244	0.5352
948	22.2	22.7	0.3371	1.2397	0.0276	1.6043	0.2259	0.1832	0.123	0.5321
949	22.9	22.8	0.3356	1.2393	0.027	1.6019	0.2305	0.1925	0.1216	0.5445
950	23.2	22.9	0.3342	1.2394	0.0264	1.6	0.2381	0.1923	0.1218	0.5522
951	22.6	22.9	0.3342	1.2396	0.0263	1.6001	0.2371	0.1914	0.1202	0.5487
952	22.1	22.9	0.3347	1.2394	0.0261	1.6002	0.2309	0.1914	0.1223	0.5446
953	23.2	22.9	0.3345	1.2393	0.0258	1.5996	0.2291	0.1881	0.1243	0.5415

954	23.9	22.8	0.3342	1.2391	0.0258	1.5991	0.233	0.1959	0.1271	0.5559
955	21.9	22.9	0.3343	1.2385	0.0258	1.5985	0.2387	0.1887	0.1264	0.5538
956	23.6	22.9	0.3338	1.2374	0.0256	1.5969	0.2417	0.187	0.1225	0.5512
957	24.3	22.9	0.3333	1.238	0.0256	1.5969	0.2454	0.1821	0.1171	0.5445
958	24.2	23	0.3331	1.2381	0.0258	1.597	0.2462	0.1868	0.1098	0.5428
959	23.5	22.9	0.3332	1.2377	0.0255	1.5964	0.2544	0.1789	0.1039	0.5372
960	23.2	22.9	0.3325	1.2376	0.0254	1.5956	0.2572	0.1757	0.1037	0.5367
961	22.8	23	0.3323	1.2372	0.0254	1.5949	0.253	0.1718	0.1054	0.5303
962	22	23.1	0.3325	1.2368	0.0256	1.5949	0.2523	0.1689	0.1065	0.5277
963	21.8	23	0.3316	1.2363	0.0256	1.5935	0.2452	0.1667	0.109	0.5209
964	22.4	22.9	0.3297	1.2361	0.0258	1.5915	0.2441	0.1634	0.1091	0.5166
965	23.4	23	0.3295	1.2354	0.0256	1.5905	0.2481	0.1565	0.1104	0.5149
966	22.3	23	0.3288	1.2356	0.0255	1.5898	0.2686	0.148	0.1041	0.5207
967	22.8	22.9	0.3283	1.2358	0.0256	1.5897	0.2738	0.146	0.0967	0.5165
968	22.4	22.8	0.3284	1.2366	0.0258	1.5909	0.2793	0.1547	0.0908	0.5248
969	23.3	22.7	0.3285	1.2368	0.0259	1.5912	0.2842	0.1589	0.0964	0.5395
970	24.2	22.7	0.3282	1.2366	0.0255	1.5902	0.2887	0.1558	0.102	0.5465
971	23.1	22.7	0.3279	1.2364	0.0252	1.5895	0.294	0.1601	0.11	0.5641
972	22.4	22.7	0.3282	1.2356	0.0246	1.5883	0.2949	0.1617	0.1092	0.5658
973	22.2	22.8	0.3281	1.2348	0.0242	1.5871	0.295	0.1619	0.1063	0.5632
974	22.7	22.8	0.3269	1.2351	0.0242	1.5863	0.2924	0.167	0.1031	0.5626
975	23.4	22.7	0.3263	1.2352	0.0243	1.5858	0.2997	0.1782	0.0996	0.5775
976	22.5	22.7	0.3262	1.2342	0.0244	1.5848	0.5086	0.1834	0.0664	0.7584
977	22.1	22.7	0.3266	1.2336	0.0245	1.5847	0.5252	0.1741	-0.1483	0.551
978	23	22.6	0.3265	1.2331	0.0245	1.5841	0.5178	0.1831	-0.1543	0.5466
979	22.6	22.6	0.3253	1.2322	0.0245	1.582	0.5102	0.1914	-0.1591	0.5425
980	23.1	22.4	0.3245	1.232	0.0243	1.5808	0.4867	0.2031	-0.1589	0.5309
981	22.4	22.3	0.3241	1.2325	0.0238	1.5804	0.4712	0.2161	-0.1463	0.541
982	22.7	22.2	0.3236	1.233	0.0235	1.58	0.4611	0.224	-0.1384	0.5467
983	22.9	22.2	0.3233	1.233	0.0237	1.5799	0.465	0.2126	-0.1408	0.5368
984	21.6	22.1	0.323	1.2325	0.0239	1.5794	0.4737	0.2019	-0.1426	0.533
985	22.4	22	0.3228	1.2322	0.0239	1.5788	0.4785	0.1885	-0.1416	0.5255
986	22.3	22	0.3226	1.232	0.0235	1.5781	0.4911	0.1841	-0.1363	0.5388
987	21.4	22	0.3223	1.2323	0.0237	1.5783	0.4877	0.1784	-0.133	0.5331
988	21.8	21.9	0.3224	1.2322	0.024	1.5785	0.4902	0.1748	-0.1302	0.5347
989	21.1	21.8	0.3223	1.2314	0.0239	1.5776	0.4941	0.1765	-0.1327	0.5379
990	20.3	21.7	0.3219	1.231	0.0237	1.5766	0.4893	0.1824	-0.1339	0.5377

991	21.5	21.7	0.3224	1.2309	0.0235	1.5768	0.4959	0.1797	-0.1296	0.5459
992	21.8	21.6	0.3228	1.2307	0.0235	1.577	0.5061	0.1739	-0.129	0.551
993	21.7	21.5	0.3227	1.2307	0.0233	1.5768	0.5127	0.171	-0.1273	0.5565
994	21.4	21.5	0.3227	1.2304	0.0232	1.5763	0.5044	0.1822	-0.1212	0.5653
995	22	21.5	0.3229	1.2301	0.0229	1.5759	0.5104	0.1877	-0.1245	0.5736
996	21.6	21.4	0.3232	1.23	0.0228	1.576	0.5206	0.1938	-0.1192	0.5952
997	20.6	21.4	0.3231	1.2294	0.0229	1.5754	0.5254	0.2044	-0.1214	0.6084
998	21.4	21.4	0.3216	1.2289	0.0231	1.5737	0.524	0.2117	-0.1214	0.6143
999	22	21.4	0.3205	1.2291	0.0231	1.5727	0.5092	0.2125	-0.1225	0.5993
1000	22.1	21.5	0.3208	1.2291	0.0232	1.573	0.4867	0.2126	-0.1277	0.5717
1001	20.8	21.6	0.3214	1.2286	0.0231	1.5732	0.4671	0.2219	-0.1323	0.5567
1002	20.8	21.5	0.3217	1.2282	0.0229	1.5728	0.4595	0.2239	-0.1328	0.5505
1003	21.6	21.5	0.3212	1.227	0.0225	1.5706	0.4605	0.213	-0.1378	0.5356
1004	21.8	21.5	0.3203	1.2274	0.0224	1.57	0.4616	0.2081	-0.1406	0.529
1005	21.8	21.4	0.3201	1.2272	0.0225	1.5699	0.464	0.2123	-0.1407	0.5356
1006	21.3	21.4	0.3203	1.2272	0.0227	1.5702	0.4801	0.2052	-0.1396	0.5457
1007	20.8	21.3	0.3203	1.2266	0.0232	1.5701	0.4901	0.1998	-0.1329	0.557
1008	22.1	21.3	0.3198	1.2268	0.0234	1.5701	0.498	0.2031	-0.1228	0.5783
1009	22.4	21.2	0.3194	1.2269	0.0234	1.5697	0.4993	0.2064	-0.1153	0.5904
1010	21.7	21.2	0.3191	1.2267	0.0231	1.5689	0.4924	0.2082	-0.1144	0.5862
1011	21.1	21.3	0.3186	1.227	0.0229	1.5686	0.4847	0.2204	-0.1109	0.5942
1012	21.2	21.3	0.3191	1.2269	0.0225	1.5685	0.4801	0.2243	-0.1143	0.5901
1013	20.8	21.3	0.319	1.2265	0.0225	1.568	0.4796	0.2164	-0.11	0.5861
1014	20.6	21.2	0.3185	1.2265	0.0221	1.5671	0.4705	0.2114	-0.1095	0.5725
1015	21.3	21.2	0.3168	1.2268	0.0219	1.5655	0.4521	0.2057	-0.1075	0.5503
1016	19.8	21.2	0.3164	1.2267	0.0218	1.5649	0.4524	0.2056	-0.1083	0.5497
1017	20.3	21.2	0.3158	1.2262	0.0219	1.5638	0.4435	0.2152	-0.1076	0.5511
1018	21	21.2	0.315	1.2258	0.0216	1.5624	0.4379	0.2282	-0.1066	0.5595
1019	21.2	21.2	0.3143	1.2256	0.0212	1.5612	0.4426	0.243	-0.1029	0.5828
1020	22.2	21.2	0.3134	1.2253	0.0208	1.5595	0.4485	0.2412	-0.0975	0.5922
1021	22.2	21.1	0.3128	1.2248	0.0206	1.5582	0.4442	0.2354	-0.1023	0.5773
1022	20.6	21.1	0.3124	1.2245	0.0201	1.557	0.4474	0.2355	-0.1028	0.58
1023	21.3	21	0.3123	1.2236	0.0198	1.5557	0.4447	0.2314	-0.1056	0.5706
1024	20.8	21	0.3114	1.2227	0.0199	1.554	0.4363	0.2245	-0.106	0.5548
1025	21.4	20.9	0.2902	1.2224	0.0232	1.5358	0.4248	0.2287	-0.1042	0.5493
1026	21.1	20.9	0.2881	1.2232	0.0446	1.556	0.4228	0.2299	-0.1032	0.5496
1027	21.3	20.9	0.2887	1.2225	0.0451	1.5563	0.4241	0.2177	-0.1009	0.541

1028	22	20.8	0.289	1.2219	0.0451	1.556	0.4292	0.216	-0.0954	0.5498
1029	21.7	20.8	0.2892	1.2209	0.0448	1.5549	0.4264	0.2248	-0.0969	0.5543
1030	20.9	20.7	0.2897	1.2207	0.0438	1.5542	0.4086	0.2204	-0.1014	0.5276
1031	19.9	20.6	0.2906	1.2208	0.0431	1.5545	0.4013	0.2083	-0.1015	0.5081
1032	19.5	20.5	0.2907	1.221	0.0432	1.5549	0.4029	0.2152	-0.1053	0.5128
1033	21.1	20.5	0.2906	1.221	0.0432	1.5548	0.3974	0.2148	-0.1077	0.5045
1034	19.6	20.5	0.291	1.2221	0.0435	1.5566	0.3901	0.2103	-0.1029	0.4975
1035	18.9	20.4	0.2908	1.2223	0.0433	1.5564	0.389	0.2048	-0.1026	0.4911
1036	20.3	20.4	0.2917	1.2226	0.0427	1.557	0.39	0.2024	-0.1001	0.4923
1037	19.6	20.3	0.2912	1.2227	0.0421	1.556	0.3942	0.1994	-0.0982	0.4954
1038	20.4	20.2	0.2904	1.2223	0.0417	1.5544	0.3964	0.2054	-0.0945	0.5074
1039	20.4	20.2	0.2901	1.2221	0.0413	1.5534	0.3991	0.2073	-0.089	0.5173
1040	20.2	20.2	0.2899	1.2221	0.0409	1.5529	0.4036	0.2089	-0.0843	0.5282
1041	20	20.2	0.2891	1.2225	0.0409	1.5525	0.41	0.2062	-0.0796	0.5366
1042	19.8	20.2	0.2885	1.2224	0.0408	1.5517	0.4136	0.2173	-0.08	0.5509
1043	20.9	20.1	0.2885	1.2218	0.0404	1.5507	0.4133	0.2185	-0.0821	0.5496
1044	20.3	20.2	0.2882	1.2215	0.0407	1.5504	0.4164	0.2205	-0.0838	0.553
1045	20.6	20.2	0.2873	1.2205	0.0403	1.5481	0.4214	0.2131	-0.0881	0.5464
1046	20.4	20.2	0.2862	1.2201	0.0399	1.5462	0.4253	0.2054	-0.0918	0.5388
1047	19.5	20.2	0.2858	1.2192	0.0398	1.5448	0.4377	0.1989	-0.0899	0.5467
1048	20.7	20.3	0.2862	1.2184	0.0398	1.5444	0.4395	0.1981	-0.0841	0.5535
1049	21.1	20.3	0.2869	1.218	0.0398	1.5447	0.4235	0.1997	-0.0791	0.5441
1050	20.9	20.3	0.2875	1.2172	0.0396	1.5443	0.4084	0.2034	-0.0793	0.5324
1051	19.5	20.3	0.2882	1.2172	0.0396	1.545	0.4065	0.213	-0.0756	0.5439
1052	19.6	20.4	0.2887	1.2181	0.0398	1.5466	0.4097	0.2224	-0.075	0.557
1053	20.1	20.4	0.2884	1.2185	0.0399	1.5467	0.4124	0.2243	-0.0751	0.5615
1054	19.8	20.4	0.2878	1.2178	0.0399	1.5455	0.4094	0.2042	-0.0769	0.5367
1055	20	20.4	0.2863	1.2179	0.0398	1.544	0.3998	0.2138	-0.0783	0.5353
1056	20.3	20.5	0.2848	1.2175	0.0389	1.5411	0.3994	0.2053	-0.0801	0.5246
1057	20.8	20.5	0.2835	1.2177	0.0379	1.5391	0.4099	0.2175	-0.0806	0.5468
1058	20.2	20.5	0.2832	1.2175	0.0373	1.538	0.4092	0.2162	-0.0762	0.5491
1059	20.4	20.4	0.284	1.2168	0.0369	1.5378	0.4058	0.2181	-0.0734	0.5505
1060	21.5	20.3	0.284	1.2156	0.0365	1.5361	0.4038	0.2153	-0.0724	0.5467
1061	20.7	20.4	0.2843	1.2147	0.0368	1.5359	0.4033	0.2174	-0.075	0.5457
1062	21	20.4	0.2845	1.2151	0.0366	1.5363	0.3993	0.2227	-0.0749	0.5471
1063	20.5	20.4	0.2846	1.2152	0.0365	1.5362	0.4044	0.222	-0.0768	0.5496
1064	20.8	20.3	0.2845	1.2155	0.0365	1.5365	0.4097	0.2203	-0.0744	0.5556

1065	21.1	20.3	0.2843	1.2148	0.0364	1.5355	0.4111	0.2214	-0.0726	0.5598
1066	20.8	20.3	0.2844	1.214	0.0363	1.5347	0.3914	0.2263	-0.0717	0.546
1067	20	20.3	0.2845	1.213	0.0363	1.5338	0.3863	0.2305	-0.0625	0.5544
1068	19.8	20.3	0.2842	1.2123	0.0361	1.5326	0.3793	0.236	-0.0565	0.5588
1069	19.1	20.3	0.2836	1.2127	0.0356	1.532	0.3626	0.2353	-0.0608	0.5371
1070	20	20.2	0.2838	1.213	0.0357	1.5325	0.3539	0.2448	-0.0683	0.5304
1071	20.2	20.2	0.2831	1.2129	0.0355	1.5315	0.3471	0.2339	-0.0753	0.5057
1072	19.5	20.2	0.2837	1.2124	0.0351	1.5313	0.3422	0.2201	-0.0811	0.4813
1073	19.7	20.1	0.2844	1.2124	0.0348	1.5316	0.343	0.218	-0.0864	0.4747
1074	19.9	20	0.2844	1.2123	0.0346	1.5313	0.347	0.2089	-0.0869	0.469
1075	20.2	20	0.2841	1.2122	0.0346	1.5309	0.3401	0.207	-0.0832	0.4638
1076	19.7	19.9	0.2838	1.2124	0.0345	1.5307	0.1244	0.213	-0.049	0.2883
1077	19.8	19.9	0.2837	1.212	0.034	1.5297	0.1007	0.2269	0.1637	0.4914
1078	20.2	19.9	0.2839	1.2106	0.0342	1.5287	0.1014	0.2228	0.1733	0.4976
1079	20.5	19.9	0.2844	1.2102	0.0346	1.5292	0.1054	0.2136	0.1724	0.4914
1080	19.8	19.9	0.2843	1.2112	0.0344	1.53	0.1116	0.2005	0.167	0.4791
1081	21.1	20	0.2838	1.211	0.0343	1.5291	0.1216	0.197	0.1537	0.4723
1082	19.9	20	0.2838	1.2115	0.0343	1.5296	0.133	0.2008	0.1441	0.478
1083	19.2	20.1	0.2843	1.212	0.0339	1.5302	0.1331	0.203	0.1438	0.4799
1084	19.6	20.1	0.2841	1.212	0.0342	1.5303	0.1249	0.1998	0.144	0.4687
1085	20.1	20.1	0.2838	1.2119	0.0339	1.5296	0.122	0.2058	0.1489	0.4767
1086	19.6	20.1	0.2832	1.2121	0.0333	1.5286	0.1136	0.2117	0.149	0.4743
1087	19.9	20.1	0.2827	1.2117	0.0331	1.5276	0.1165	0.2192	0.1443	0.48
1088	19.6	20.2	0.2825	1.2114	0.0329	1.5268	0.1196	0.223	0.1407	0.4833
1089	20.1	20.2	0.2819	1.2105	0.0323	1.5248	0.1145	0.2181	0.137	0.4696
1090	20.6	20.2	0.2809	1.2103	0.0316	1.5229	0.1187	0.2113	0.1326	0.4626
1091	21	20.1	0.281	1.2092	0.0315	1.5217	0.1266	0.209	0.1291	0.4648
1092	20.2	20.1	0.2815	1.2089	0.0317	1.522	0.1162	0.221	0.1321	0.4693
1093	20.8	20.1	0.2811	1.2087	0.0317	1.5215	0.1181	0.2177	0.1344	0.4702
1094	19.7	20.1	0.2806	1.2091	0.032	1.5217	0.1167	0.2172	0.1331	0.467
1095	20.6	20.1	0.2804	1.2096	0.0321	1.522	0.1162	0.2207	0.1395	0.4764
1096	19.9	20.1	0.2794	1.2101	0.0318	1.5213	0.1143	0.2138	0.1361	0.4642
1097	20.6	20.2	0.2791	1.2096	0.0313	1.5201	0.1055	0.2088	0.1307	0.445
1098	21.1	20.2	0.2793	1.2089	0.031	1.5193	0.1022	0.2074	0.1316	0.4412
1099	20.3	20.3	0.2797	1.2088	0.031	1.5195	0.1063	0.199	0.1334	0.4387
1100	18.7	20.3	0.2801	1.2078	0.0308	1.5187	0.1181	0.1971	0.1342	0.4493
1101	19.3	20.2	0.2804	1.2064	0.0306	1.5174	0.132	0.1967	0.1358	0.4645

1102	19.4	20.2	0.2804	1.2058	0.0304	1.5167	0.1437	0.202	0.1444	0.4901
1103	19.6	20.2	0.2802	1.2066	0.0301	1.517	0.1457	0.2258	0.1513	0.5227
1104	20	20.2	0.2803	1.206	0.0302	1.5165	0.1488	0.2323	0.1529	0.534
1105	20.7	20.2	0.2802	1.2067	0.0305	1.5174	0.1471	0.2377	0.153	0.5378
1106	21	20.2	0.2793	1.2054	0.0308	1.5155	0.1314	0.2396	0.1551	0.5261
1107	20.8	20.2	0.2794	1.205	0.0308	1.5152	0.1152	0.2372	0.1487	0.5011
1108	20.5	20.1	0.2792	1.205	0.0308	1.515	0.1	0.2408	0.1399	0.4807
1109	20.6	20.1	0.279	1.2053	0.0307	1.515	0.0942	0.2419	0.1365	0.4725
1110	20.7	20.2	0.2788	1.2049	0.0306	1.5143	0.1029	0.2424	0.1351	0.4804
1111	19.7	20.2	0.2787	1.2048	0.0304	1.5138	0.1064	0.238	0.1358	0.4802
1112	19.9	20.2	0.2787	1.2047	0.0302	1.5136	0.1074	0.2341	0.1415	0.4829
1113	19.8	20.2	0.278	1.2045	0.0299	1.5124	0.1118	0.2506	0.1377	0.5
1114	20.9	20.2	0.2774	1.2044	0.0293	1.5111	0.1126	0.2559	0.1297	0.4981
1115	20.3	20.1	0.2776	1.2042	0.0291	1.5109	0.116	0.2506	0.125	0.4916
1116	19.8	20	0.2778	1.2036	0.0281	1.5095	0.1051	0.2304	0.1199	0.4554
1117	20.6	20	0.2779	1.2025	0.0275	1.508	0.1013	0.2156	0.1125	0.4294
1118	19	19.9	0.2787	1.2022	0.0277	1.5087	0.0987	0.1975	0.1125	0.4087
1119	20.5	19.8	0.279	1.2011	0.028	1.5081	0.0882	0.1886	0.1142	0.3911
1120	19.9	19.8	0.2787	1.2019	0.0283	1.509	0.085	0.1981	0.1129	0.396
1121	19.9	19.9	0.2786	1.2028	0.0287	1.5101	0.0863	0.2094	0.1149	0.4106
1122	19.5	19.9	0.2781	1.2027	0.0287	1.5095	0.0791	0.2131	0.1134	0.4056
1123	19.2	19.8	0.2776	1.2027	0.0285	1.5088	0.0862	0.2105	0.1121	0.4087
1124	19.8	19.8	0.2774	1.202	0.0282	1.5076	0.0867	0.2092	0.1064	0.4023
1125	19	19.7	0.2777	1.2011	0.0281	1.5069	0.0757	0.2065	0.1032	0.3855
1126	19.5	19.7	0.2781	1.2005	0.0283	1.5069	0.0687	0.2178	0.1058	0.3923
1127	19.1	19.7	0.2785	1.2002	0.0278	1.5065	0.0701	0.2196	0.1067	0.3965
1128	19.9	19.7	0.2784	1.2005	0.0279	1.5068	0.075	0.2127	0.1	0.3877
1129	20	19.7	0.278	1.2009	0.0281	1.507	0.0721	0.2033	0.0981	0.3736
1130	20.8	19.7	0.2776	1.201	0.0284	1.507	0.0778	0.1967	0.1059	0.3804
1131	19.6	19.7	0.2773	1.2007	0.0287	1.5068	0.0741	0.2092	0.1117	0.395
1132	19.2	19.7	0.2774	1.2007	0.0288	1.5069	0.0629	0.2166	0.1115	0.391
1133	19.7	19.8	0.2781	1.201	0.0288	1.5079	0.0634	0.232	0.1123	0.4078
1134	19.3	19.8	0.2788	1.2016	0.0286	1.5089	0.0793	0.2464	0.11	0.4357
1135	19.5	19.9	0.2794	1.2011	0.0284	1.5089	0.0979	0.2465	0.1162	0.4606
1136	20	19.9	0.28	1.2007	0.0283	1.509	0.1038	0.2442	0.1234	0.4713
1137	20.2	19.9	0.2793	1.2004	0.0281	1.5077	0.1043	0.2468	0.121	0.4722
1138	20.9	19.9	0.2789	1.2005	0.028	1.5074	0.1077	0.2488	0.1209	0.4774

1139	19.7	19.9	0.2782	1.201	0.028	1.5072	0.1121	0.2562	0.1238	0.4921
1140	19	19.9	0.2772	1.2011	0.028	1.5064	0.1116	0.2544	0.118	0.484
1141	20.6	19.9	0.2775	1.2004	0.0277	1.5055	0.1057	0.2576	0.1166	0.4799
1142	20.4	19.9	0.2767	1.2006	0.0274	1.5047	0.1147	0.2585	0.1207	0.4938
1143	20.2	20	0.2768	1.2001	0.0271	1.504	0.1218	0.2658	0.1263	0.5138
1144	20.1	20.2	0.2766	1.1994	0.0267	1.5028	0.1224	0.2755	0.1275	0.5254
1145	19.5	20.2	0.2759	1.1991	0.0267	1.5017	0.115	0.2893	0.1317	0.536
1146	19.5	20.2	0.2757	1.1992	0.0268	1.5017	0.1078	0.2939	0.1307	0.5323
1147	19.4	20.2	0.2756	1.1985	0.0266	1.5007	0.1018	0.3076	0.1261	0.5354
1148	21	20.3	0.2756	1.1985	0.0265	1.5005	0.11	0.312	0.1211	0.5432
1149	20.3	20.3	0.2751	1.1983	0.0264	1.4998	0.1271	0.306	0.1176	0.5508
1150	19.5	20.4	0.2743	1.1975	0.0261	1.4979	0.1405	0.3033	0.1223	0.5661
1151	20.2	20.4	0.2738	1.197	0.0251	1.496	0.1464	0.3013	0.1329	0.5806
1152	21.5	20.3	0.2741	1.1955	0.0247	1.4943	0.1467	0.2948	0.1403	0.5817
1153	21.8	20.3	0.2735	1.1952	0.0246	1.4933	0.1402	0.2991	0.1391	0.5784
1154	20.6	20.3	0.2731	1.1941	0.0246	1.4917	0.1335	0.3126	0.1294	0.5755
1155	20.2	20.3	0.2731	1.194	0.0242	1.4913	0.1327	0.3087	0.1277	0.569
1156	20.3	20.3	0.2733	1.1937	0.024	1.491	0.1305	0.3164	0.1325	0.5794
1157	21.4	20.4	0.2735	1.1936	0.0239	1.491	0.1213	0.3059	0.1328	0.56
1158	20.3	20.3	0.2738	1.1933	0.0237	1.4907	0.1293	0.3056	0.1312	0.5662
1159	20	20.3	0.2737	1.1926	0.0234	1.4897	0.1287	0.3063	0.1345	0.5695
1160	20.6	20.3	0.2734	1.1918	0.0229	1.4881	0.1203	0.3193	0.1339	0.5734
1161	19.7	20.2	0.2735	1.1913	0.0227	1.4876	0.111	0.3153	0.1343	0.5605
1162	19.4	20.1	0.2734	1.1901	0.0229	1.4863	0.1137	0.3121	0.1311	0.5569
1163	20.7	19.9	0.2733	1.1896	0.0235	1.4864	0.1147	0.311	0.1198	0.5456
1164	19.2	19.8	0.2729	1.1904	0.024	1.4873	0.1122	0.3143	0.1165	0.543
1165	20.2	19.7	0.2737	1.1918	0.0244	1.49	0.1067	0.313	0.1084	0.5281
1166	20.4	19.7	0.2743	1.1925	0.025	1.4918	0.1089	0.3228	0.1096	0.5413
1167	19.7	19.6	0.2747	1.1933	0.025	1.4929	0.1016	0.3185	0.0982	0.5183
1168	20.5	19.6	0.2753	1.1935	0.0247	1.4935	0.105	0.3084	0.0939	0.5073
1169	19.4	19.6	0.2751	1.1929	0.0243	1.4924	0.1137	0.307	0.0983	0.519
1170	18.6	19.6	0.2751	1.1921	0.0242	1.4915	0.1167	0.3	0.1041	0.5208
1171	18.2	19.7	0.2752	1.1916	0.0241	1.4909	0.1198	0.3106	0.1144	0.5449
1172	18.5	19.8	0.2751	1.1914	0.0239	1.4904	0.1261	0.3198	0.1244	0.5703
1173	18.5	19.8	0.2758	1.1914	0.0242	1.4914	0.1275	0.3267	0.126	0.5802
1174	19	19.9	0.2769	1.1916	0.0243	1.4928	0.1258	0.3304	0.1231	0.5793
1175	20.1	19.9	0.2772	1.1904	0.024	1.4916	0.1194	0.3238	0.1132	0.5564

1176	19.1	19.9	0.2768	1.1905	0.0238	1.491	0.1123	0.3171	0.1054	0.5347
1177	20.6	20	0.2762	1.1907	0.024	1.4909	0.102	0.3172	0.1107	0.5299
1178	20.4	20.1	0.2767	1.1903	0.0244	1.4914	0.0926	0.3172	0.1072	0.517
1179	20.2	20.1	0.2766	1.1905	0.024	1.4912	0.0877	0.3158	0.1085	0.512
1180	20.8	20.3	0.2769	1.1903	0.0233	1.4905	0.0904	0.3261	0.1092	0.5256
1181	21.3	20.4	0.2775	1.1893	0.0232	1.49	0.0925	0.3328	0.1134	0.5386
1182	21.8	20.6	0.2775	1.1883	0.023	1.4888	0.1041	0.335	0.1224	0.5615
1183	21.1	20.8	0.2764	1.1873	0.0229	1.4866	0.1145	0.3384	0.1287	0.5816
1184	20.7	20.9	0.2743	1.1873	0.0226	1.4842	0.1285	0.3407	0.1308	0.6
1185	20.6	21	0.2734	1.1875	0.0215	1.4825	0.1435	0.3477	0.1288	0.62
1186	21.5	21.1	0.2728	1.1874	0.0212	1.4814	0.1551	0.3424	0.1289	0.6264
1187	20.7	21	0.2719	1.1869	0.021	1.4798	0.1559	0.3564	0.1302	0.6425
1188	20.6	21.1	0.2713	1.1858	0.0205	1.4776	0.1417	0.3659	0.1294	0.637
1189	21.3	21.1	0.2708	1.1851	0.0205	1.4764	0.137	0.3723	0.1352	0.6446
1190	21.7	21	0.2704	1.1846	0.02	1.4749	0.1261	0.3763	0.1338	0.6362
1191	21.3	20.9	0.2696	1.1833	0.0194	1.4723	0.1207	0.3753	0.1266	0.6227
1192	22.2	20.8	0.2693	1.1823	0.0191	1.4706	0.1341	0.3681	0.1209	0.6231
1193	21.8	20.7	0.2689	1.1811	0.019	1.4689	0.1429	0.3726	0.1178	0.6333
1194	21.2	20.6	0.2691	1.1802	0.0188	1.4681	0.1484	0.3734	0.12	0.6418
1195	20.4	20.6	0.2696	1.1802	0.019	1.4688	0.1429	0.3739	0.1258	0.6425
1196	20.3	20.5	0.2692	1.1794	0.0192	1.4677	0.1357	0.3768	0.1245	0.637
1197	21	20.4	0.2681	1.1784	0.0192	1.4657	0.1287	0.3757	0.1228	0.6272
1198	19.8	20.4	0.2666	1.1783	0.0193	1.4642	0.124	0.3673	0.1204	0.6117
1199	19.1	20.3	0.2656	1.1784	0.0188	1.4629	0.1241	0.3732	0.1188	0.6161
1200	19.5	20.3	0.2655	1.1776	0.0175	1.4606	0.1265	0.3786	0.1209	0.626
1201	20	20.2	0.2658	1.1769	0.0166	1.4593	0.1205	0.3735	0.121	0.6151
1202	19	20	0.2664	1.1759	0.0165	1.4588	0.1163	0.3839	0.1164	0.6166
1203	19.3	19.9	0.2669	1.1753	0.0172	1.4594	0.1212	0.376	0.1122	0.6093
1204	20	19.8	0.267	1.1751	0.0174	1.4596	0.1164	0.3742	0.1115	0.6021
1205	19.9	19.6	0.2671	1.1751	0.0173	1.4595	0.1135	0.3647	0.1149	0.5932
1206	20.1	19.5	0.2672	1.1748	0.0175	1.4595	0.113	0.3664	0.1169	0.5962
1207	20.1	19.4	0.2664	1.1745	0.0177	1.4586	0.1118	0.3696	0.1153	0.5967
1208	19.9	19.3	0.2664	1.1744	0.0173	1.4581	0.113	0.3757	0.1098	0.5985
1209	20.3	19.4	0.267	1.1734	0.0173	1.4577	0.1176	0.3687	0.1083	0.5946
1210	19.6	19.4	0.2677	1.1734	0.0171	1.4582	0.12	0.3578	0.1044	0.5821
1211	19.5	19.5	0.2673	1.1735	0.0173	1.4582	0.123	0.3516	0.1012	0.5758
1212	19	19.6	0.2672	1.1736	0.0182	1.459	0.1235	0.3512	0.1014	0.5762

1213	18.5	19.6	0.2668	1.1731	0.0182	1.4581	0.1229	0.3433	0.1085	0.5747
1214	17.6	19.7	0.2667	1.1731	0.0185	1.4583	0.1242	0.3419	0.1198	0.5859
1215	17.8	19.8	0.2668	1.1719	0.0182	1.4568	0.1188	0.3572	0.1256	0.6016
1216	19.1	19.9	0.2676	1.1718	0.0183	1.4576	0.1221	0.3755	0.1282	0.6258
1217	19.4	20	0.2674	1.1717	0.0181	1.4572	0.1217	0.3946	0.1307	0.647
1218	19.4	20.1	0.2674	1.1715	0.0179	1.4568	0.1172	0.4131	0.1304	0.6608
1219	20.4	20.2	0.2673	1.1711	0.0176	1.456	0.1275	0.4244	0.1274	0.6793
1220	21.4	20.2	0.2667	1.1709	0.0169	1.4545	0.1296	0.418	0.1234	0.671
1221	20.8	20.3	0.266	1.1708	0.0163	1.453	0.1256	0.4051	0.1244	0.6551
1222	20.6	20.3	0.2654	1.17	0.0161	1.4515	0.129	0.4019	0.1251	0.6561
1223	21.7	20.4	0.265	1.1697	0.0162	1.4509	0.1305	0.4061	0.1281	0.6648
1224	21.6	20.5	0.2654	1.1696	0.0169	1.452	0.1417	0.41	0.131	0.6827
1225	20.9	20.6	0.2665	1.1694	0.0176	1.4535	0.1565	0.419	0.1297	0.7052
1226	22	20.6	0.2679	1.1688	0.0172	1.4539	0.1676	0.4108	0.1263	0.7046
1227	22.4	20.6	0.2693	1.1685	0.0171	1.4548	0.1652	0.419	0.1302	0.7144
1228	21.6	20.6	0.2696	1.1689	0.017	1.4556	0.1565	0.4235	0.1378	0.7177
1229	20.9	20.6	0.269	1.1682	0.0172	1.4544	0.1603	0.4222	0.1409	0.7234
1230	20.1	20.5	0.2683	1.1677	0.0171	1.4532	0.1597	0.4292	0.1335	0.7225
1231	19.9	20.5	0.2669	1.1672	0.0165	1.4506	0.1615	0.4259	0.1236	0.7111
1232	19.8	20.5	0.266	1.1668	0.0159	1.4487	0.1686	0.4145	0.1226	0.7057
1233	20.4	20.4	0.2653	1.1669	0.0157	1.4479	0.1721	0.4098	0.1247	0.7066
1234	19.2	20.4	0.2644	1.1668	0.0157	1.4469	0.1642	0.4	0.1253	0.6895
1235	18.6	20.3	0.2639	1.1668	0.0155	1.4463	0.1444	0.4027	0.1186	0.6657
1236	20.4	20.3	0.2644	1.165	0.0153	1.4447	0.1279	0.407	0.1106	0.6455
1237	18.3	20.2	0.2651	1.1638	0.0151	1.444	0.1223	0.4088	0.111	0.6421
1238	20.3	20.1	0.2652	1.1632	0.0145	1.4429	0.1186	0.4089	0.1073	0.6347
1239	20.3	20.1	0.2656	1.1634	0.0146	1.4436	0.1156	0.4082	0.0993	0.6231
1240	20.2	20.1	0.2652	1.1636	0.0153	1.4441	0.107	0.4138	0.1022	0.6229
1241	20.6	20.2	0.2641	1.1636	0.0156	1.4432	0.1003	0.4175	0.1017	0.6195
1242	20.4	20.3	0.2624	1.1633	0.0156	1.4414	0.0939	0.4066	0.0978	0.5983
1243	20.6	20.4	0.262	1.1628	0.0151	1.4399	0.094	0.3966	0.0936	0.5841
1244	20.3	20.5	0.2623	1.1621	0.0142	1.4385	0.0888	0.3863	0.0939	0.569
1245	21.5	20.6	0.2623	1.1615	0.0142	1.438	0.0926	0.3803	0.0918	0.5648
1246	20.8	20.7	0.2628	1.1616	0.0146	1.439	0.0988	0.3789	0.0929	0.5707
1247	20	20.8	0.2632	1.1617	0.0146	1.4395	0.099	0.3731	0.0966	0.5687
1248	20	20.9	0.2632	1.1612	0.0146	1.4389	0.0915	0.3606	0.1011	0.5532
1249	21	21	0.2625	1.1605	0.0143	1.4372	0.0787	0.364	0.1042	0.5468

1250	20.6	21	0.2622	1.1602	0.014	1.4364	0.0685	0.3782	0.1018	0.5485
1251	22.2	21	0.2622	1.1586	0.0135	1.4343	0.0687	0.3725	0.0921	0.5332
1252	21.8	21	0.262	1.1579	0.0135	1.4334	0.0728	0.3687	0.0871	0.5285
1253	21.7	21	0.2619	1.1578	0.0135	1.4331	0.0764	0.3623	0.0865	0.5252
1254	20.7	21.1	0.2617	1.1576	0.0131	1.4324	0.0768	0.3642	0.0921	0.5332
1255	21.2	21	0.2618	1.1574	0.0126	1.4317	0.0737	0.3641	0.0931	0.5309
1256	21.1	21	0.2621	1.1568	0.0125	1.4314	0.0689	0.3664	0.0899	0.5252
1257	22	21	0.2622	1.1561	0.0129	1.4312	0.0701	0.3662	0.093	0.5293
1258	22	21	0.262	1.1564	0.0128	1.4312	0.0643	0.3621	0.0956	0.5221
1259	20.7	20.9	0.2617	1.1568	0.013	1.4315	0.0685	0.3726	0.0903	0.5315
1260	20.5	20.9	0.2611	1.1566	0.0128	1.4305	0.0747	0.3666	0.0928	0.5342
1261	20.2	20.8	0.2612	1.1562	0.0126	1.43	0.0835	0.3652	0.0943	0.543
1262	21.3	20.7	0.2611	1.1557	0.012	1.4288	0.0768	0.3748	0.0957	0.5473
1263	21	20.6	0.2609	1.1554	0.0116	1.4278	0.085	0.3886	0.1051	0.5787
1264	20.8	20.6	0.261	1.1547	0.0114	1.4272	0.0906	0.3872	0.1103	0.5882
1265	19.9	20.5	0.2615	1.1542	0.0116	1.4274	0.0921	0.3906	0.117	0.5998
1266	19.6	20.5	0.2621	1.153	0.0119	1.4271	0.0939	0.3791	0.1132	0.5862
1267	19.6	20.4	0.2629	1.1519	0.012	1.4269	0.1017	0.3858	0.1145	0.602
1268	20.4	20.2	0.2626	1.151	0.012	1.4256	0.1001	0.393	0.1141	0.6073
1269	20	20.2	0.2622	1.1511	0.012	1.4253	0.0978	0.3909	0.1114	0.6001
1270	20.4	20.2	0.2626	1.1516	0.0118	1.4259	0.0977	0.3873	0.1095	0.5945
1271	19.4	20.1	0.2623	1.1514	0.0116	1.4253	0.0976	0.3846	0.1028	0.585
1272	20.7	20	0.262	1.1508	0.0111	1.4239	0.0949	0.3824	0.0969	0.5742
1273	20.1	19.9	0.2616	1.1504	0.0111	1.4231	0.0962	0.3763	0.0961	0.5686
1274	20.7	19.9	0.2612	1.1497	0.0113	1.4222	0.1002	0.3672	0.1009	0.5683
1275	20.2	19.9	0.2604	1.1493	0.0114	1.4212	0.11	0.38	0.1085	0.5985
1276	19.5	19.9	0.2603	1.1486	0.0108	1.4196	0.1191	0.3911	0.1201	0.6303
1277	19.3	19.9	0.2605	1.1484	0.0103	1.4191	0.1327	0.3843	0.1184	0.6354
1278	19.9	19.9	0.2607	1.1481	0.0103	1.419	0.1482	0.3915	0.1164	0.6561
1279	20.3	19.8	0.2607	1.1476	0.0107	1.4189	0.1519	0.409	0.1177	0.6787
1280	18.8	19.8	0.2608	1.1477	0.0109	1.4194	0.1392	0.4102	0.1199	0.6693
1281	18.8	19.8	0.2607	1.1479	0.0109	1.4194	0.1283	0.4159	0.1179	0.6621
1282	19.5	19.7	0.2603	1.1473	0.0106	1.4182	0.1114	0.4143	0.1108	0.6364
1283	20.6	19.6	0.2599	1.1473	0.0104	1.4177	0.0994	0.4102	0.1029	0.6125
1284	20.2	19.6	0.2599	1.1471	0.0107	1.4177	0.0904	0.4108	0.0979	0.5991
1285	19.8	19.6	0.2606	1.1468	0.0105	1.4179	0.0782	0.4041	0.0933	0.5755
1286	19.5	19.6	0.2605	1.1465	0.0101	1.4172	0.0656	0.4054	0.0843	0.5553

1287	19.6	19.7	0.2601	1.146	0.0103	1.4163	0.062	0.3858	0.081	0.5288
1288	19.3	19.6	0.2597	1.145	0.0106	1.4153	0.0602	0.3626	0.0861	0.5089
1289	20	19.6	0.2601	1.1437	0.0103	1.4141	0.0605	0.3656	0.084	0.51
1290	19.3	19.7	0.2603	1.1428	0.0098	1.413	0.07	0.3774	0.0886	0.536
1291	19	19.8	0.2602	1.1427	0.0097	1.4125	0.067	0.3819	0.0976	0.5464
1292	18.8	19.8	0.2599	1.1426	0.0097	1.4122	0.0579	0.382	0.0953	0.5352
1293	19.6	19.9	0.26	1.1425	0.0096	1.412	0.0437	0.3799	0.0903	0.5139
1294	19.7	19.9	0.2598	1.1421	0.0097	1.4116	0.0421	0.3725	0.0832	0.4978
1295	20.1	19.9	0.2597	1.1423	0.0097	1.4117	0.0417	0.361	0.0695	0.4722
1296	20.6	20	0.2593	1.1421	0.0095	1.4109	0.0358	0.3518	0.0678	0.4554
1297	19.5	20	0.259	1.1423	0.0091	1.4104	0.04	0.354	0.073	0.4671
1298	20.4	19.9	0.2587	1.1419	0.0089	1.4095	0.0424	0.3583	0.074	0.4747
1299	20.4	19.9	0.2588	1.1406	0.0086	1.408	0.0416	0.3492	0.0747	0.4654
1300	20.2	20	0.2586	1.1404	0.0083	1.4073	0.0383	0.343	0.0764	0.4577
1301	20.4	20	0.2585	1.1401	0.0079	1.4064	0.0395	0.3452	0.0768	0.4615
1302	21.3	20	0.2588	1.1397	0.0079	1.4063	0.0544	0.3312	0.0782	0.4638
1303	20.6	19.9	0.2592	1.1389	0.008	1.4061	0.0538	0.3289	0.0804	0.4631
1304	20.2	19.9	0.2597	1.1387	0.0081	1.4065	0.055	0.3349	0.083	0.4728
1305	20.3	19.8	0.2602	1.1384	0.0083	1.407	0.0564	0.3446	0.0831	0.484
1306	19.8	19.8	0.2602	1.1382	0.0082	1.4066	0.0516	0.3489	0.0808	0.4813
1307	18.6	19.9	0.26	1.1382	0.0081	1.4064	0.0501	0.3512	0.0827	0.484
1308	19.5	19.8	0.2595	1.1371	0.0083	1.4049	0.0486	0.3514	0.0834	0.4834
1309	21.1	19.7	0.2595	1.1368	0.008	1.4042	0.0418	0.3589	0.0795	0.4802
1310	18.2	19.7	0.2594	1.1369	0.0077	1.4039	0.0348	0.3679	0.0786	0.4813
1311	18.6	19.6	0.2596	1.1361	0.0077	1.4034	0.0288	0.3617	0.0752	0.4657
1312	19.2	19.5	0.2587	1.1348	0.0077	1.4011	0.045	0.3524	0.075	0.4724
1313	19.4	19.4	0.2577	1.1344	0.0072	1.3993	0.0555	0.3467	0.0693	0.4715
1314	18.9	19.4	0.2575	1.134	0.0068	1.3983	0.0577	0.3481	0.0674	0.4732
1315	20.1	19.4	0.2574	1.134	0.0068	1.3982	0.0562	0.347	0.0684	0.4716
1316	20.2	19.4	0.2575	1.1332	0.0068	1.3974	0.0608	0.3502	0.0721	0.483
1317	19.2	19.4	0.2574	1.1324	0.0067	1.3965	0.0696	0.3397	0.0743	0.4835
1318	18.8	19.4	0.2576	1.1325	0.0068	1.3968	0.078	0.3265	0.0739	0.4783
1319	19.1	19.2	0.2575	1.1324	0.0067	1.3966	0.0773	0.3127	0.0729	0.4629
1320	18.9	19.3	0.257	1.1324	0.0066	1.396	0.0781	0.3176	0.0734	0.4691
1321	19	19.4	0.2565	1.1325	0.0066	1.3956	0.084	0.3207	0.0726	0.4773
1322	18.8	19.4	0.2558	1.1324	0.0065	1.3946	0.0914	0.3141	0.0717	0.4772
1323	20.9	19.3	0.255	1.1329	0.0061	1.3941	0.0945	0.3058	0.0686	0.4689

1324	19.6	19.3	0.2544	1.1316	0.0061	1.3921	0.0932	0.3033	0.0698	0.4664
1325	19.7	19.3	0.2546	1.1303	0.0056	1.3905	0.0951	0.2993	0.074	0.4684
1326	19.1	19.2	0.2546	1.1304	0.0053	1.3903	0.0874	0.3025	0.0767	0.4666
1327	19	19.1	0.2544	1.1293	0.0054	1.3892	0.0786	0.3141	0.0739	0.4666
1328	18.9	19.1	0.2545	1.128	0.0053	1.3878	0.0753	0.32	0.0717	0.467
1329	19.3	19.1	0.255	1.1272	0.0052	1.3875	0.0786	0.3277	0.0731	0.4795
1330	19.9	19.1	0.2555	1.1262	0.0053	1.387	0.0865	0.3253	0.0775	0.4894
1331	18.9	19	0.2558	1.1258	0.0054	1.387	0.0971	0.3255	0.0794	0.5019
1332	18.3	19	0.256	1.1258	0.0056	1.3874	0.0981	0.3268	0.0818	0.5066
1333	19.1	18.8	0.2562	1.1258	0.0059	1.388	0.0938	0.3286	0.0829	0.5053
1334	19.2	18.6	0.2566	1.1264	0.0064	1.3893	0.0868	0.3433	0.0843	0.5144
1335	18.4	18.5	0.2574	1.1263	0.0071	1.3908	0.0827	0.3564	0.0886	0.5277
1336	18.5	18.4	0.2582	1.1264	0.0072	1.3919	0.0846	0.3632	0.0838	0.5316
1337	18.2	18.2	0.2591	1.1275	0.0065	1.3931	0.0775	0.3598	0.0775	0.5149
1338	18.4	18.2	0.2592	1.1267	0.0061	1.3919	0.062	0.3472	0.0797	0.4889
1339	18.7	18.1	0.2586	1.1256	0.0058	1.39	0.0591	0.3287	0.0798	0.4676
1340	18.1	18	0.2585	1.1254	0.0056	1.3895	0.0598	0.3219	0.0751	0.4568
1341	18.3	18	0.2583	1.1254	0.0061	1.3897	0.0647	0.3145	0.0713	0.4504
1342	17.5	18	0.2581	1.1254	0.0066	1.39	0.0653	0.3141	0.0702	0.4496
1343	16.5	18	0.2578	1.1255	0.0068	1.3901	0.0591	0.3273	0.0693	0.4557
1344	16.9	18.1	0.2581	1.126	0.0072	1.3913	0.0554	0.3286	0.0693	0.4533
1345	16.8	18.2	0.2587	1.1263	0.0074	1.3925	0.0587	0.3299	0.0724	0.461
1346	16.5	18.3	0.2588	1.1262	0.0073	1.3923	0.064	0.3342	0.0764	0.4746
1347	18	18.4	0.259	1.1259	0.0072	1.3921	0.0666	0.3361	0.0804	0.4831
1348	17.8	18.5	0.259	1.1263	0.0071	1.3924	0.0681	0.3416	0.0783	0.488
1349	18.5	18.5	0.2586	1.1262	0.0066	1.3914	0.0647	0.3397	0.075	0.4795
1350	17.9	18.6	0.2583	1.1256	0.0063	1.3902	0.0679	0.3278	0.0692	0.465
1351	18.8	18.7	0.2568	1.1255	0.0057	1.388	0.07	0.3279	0.062	0.4599
1352	19.7	18.8	0.2566	1.125	0.0055	1.3871	0.0718	0.3241	0.0586	0.4546
1353	20.2	18.9	0.2564	1.1243	0.0052	1.3858	0.0765	0.3214	0.063	0.4609
1354	20.1	19.1	0.2561	1.1231	0.0048	1.384	0.0751	0.3208	0.067	0.463
1355	20.9	19.3	0.2567	1.1225	0.0045	1.3836	0.0699	0.3343	0.0682	0.4724
1356	20.2	19.4	0.2571	1.1217	0.0042	1.383	0.0758	0.3387	0.0711	0.4856
1357	19.6	19.4	0.2573	1.1209	0.0046	1.3828	0.0854	0.3361	0.0772	0.4987
1358	19.5	19.5	0.2578	1.1205	0.0049	1.3832	0.0824	0.3414	0.0809	0.5047
1359	19.7	19.4	0.2582	1.12	0.0051	1.3834	0.0749	0.3384	0.0825	0.4958
1360	19.7	19.5	0.2582	1.1205	0.0053	1.384	0.0745	0.3354	0.0753	0.4853

1361	19.4	19.5	0.2567	1.121	0.0051	1.3827	0.0728	0.3367	0.0635	0.473
1362	19.7	19.4	0.2555	1.1211	0.0051	1.3817	0.0745	0.3274	0.0579	0.4598
1363	20.2	19.3	0.2551	1.1206	0.0048	1.3805	0.0663	0.3132	0.0606	0.4402
1364	20.3	19.3	0.2554	1.12	0.0046	1.38	0.0557	0.3099	0.0628	0.4285
1365	18.6	19.2	0.2555	1.1192	0.0044	1.3791	0.0567	0.3139	0.0582	0.4288
1366	18.7	19.1	0.2552	1.119	0.0045	1.3788	0.0606	0.3203	0.0593	0.4402
1367	18	19.1	0.2551	1.1193	0.0046	1.379	0.0707	0.3078	0.0651	0.4436
1368	18.3	19.2	0.2549	1.1197	0.0047	1.3793	0.07	0.2956	0.0624	0.4281
1369	18.8	19.1	0.2543	1.1194	0.0047	1.3784	0.065	0.3058	0.0598	0.4306
1370	18.3	19.1	0.2542	1.1195	0.0045	1.3782	0.0602	0.315	0.0594	0.4346
1371	18.5	19.1	0.2532	1.12	0.0044	1.3776	0.0501	0.3177	0.0584	0.4262
1372	18.3	19.1	0.2526	1.1202	0.0043	1.377	0.0466	0.3223	0.0609	0.4298
1373	19.2	19	0.2523	1.1201	0.0041	1.3765	0.0394	0.324	0.0615	0.4249
1374	19.8	18.9	0.2517	1.1198	0.0039	1.3754	0.0313	0.3313	0.057	0.4197
1375	19.1	18.9	0.2517	1.1191	0.0037	1.3745	0.0311	0.3222	0.0559	0.4092
1376	19.5	19	0.2524	1.1171	0.0034	1.3729	0.0327	0.3097	0.0498	0.3921
1377	20	19	0.253	1.1163	0.0031	1.3724	0.0283	0.3026	0.0475	0.3784
1378	18.9	19.1	0.2528	1.1153	0.003	1.3711	0.0273	0.2899	0.0493	0.3665
1379	19.7	19.1	0.252	1.1151	0.0029	1.37	0.0296	0.28	0.0497	0.3593
1380	19.8	19.1	0.2511	1.1152	0.003	1.3692	0.0396	0.2797	0.0513	0.3706
1381	18.8	19.1	0.2508	1.1152	0.0027	1.3687	0.0462	0.2762	0.0546	0.377
1382	18.8	19	0.2509	1.1144	0.0023	1.3676	0.0485	0.2745	0.053	0.376
1383	18.7	19	0.2513	1.113	0.002	1.3662	0.0509	0.2784	0.0534	0.3826
1384	18.7	18.9	0.2516	1.1114	0.0018	1.3649	0.0601	0.2854	0.0605	0.406
1385	18.8	18.8	0.2521	1.1105	0.0021	1.3647	0.0707	0.3004	0.0683	0.4394
1386	19	18.8	0.2528	1.1105	0.0024	1.3657	0.0808	0.3001	0.0783	0.4592
1387	19.8	18.6	0.2539	1.1113	0.0023	1.3675	0.0936	0.3012	0.0824	0.4772
1388	19.2	18.6	0.2538	1.1121	0.0026	1.3685	0.1063	0.3232	0.0829	0.5124
1389	18.7	18.5	0.2541	1.1115	0.0028	1.3684	0.106	0.3267	0.0841	0.5169
1390	17.5	18.4	0.2539	1.1114	0.0027	1.3679	0.1008	0.3304	0.0843	0.5154
1391	17.6	18.4	0.2536	1.1112	0.0026	1.3675	0.1016	0.3487	0.0838	0.5341
1392	17.7	18.4	0.254	1.1099	0.0028	1.3667	0.0968	0.3533	0.093	0.5432
1393	18.2	18.4	0.2544	1.1096	0.0026	1.3667	0.0967	0.3571	0.1013	0.555
1394	18.4	18.4	0.254	1.1091	0.0024	1.3655	0.0955	0.3581	0.1014	0.555
1395	18	18.4	0.2533	1.1089	0.0021	1.3643	0.1022	0.378	0.1062	0.5863
1396	17.6	18.3	0.2527	1.1084	0.0015	1.3626	0.1046	0.3852	0.1076	0.5973
1397	17.6	18.2	0.2522	1.1082	0.0013	1.3616	0.0975	0.386	0.1067	0.5902

1398	18.9	18.2	0.2522	1.108	0.0014	1.3616	0.0982	0.3906	0.1012	0.59
1399	18.4	18.1	0.252	1.1079	0.0017	1.3616	0.1038	0.4037	0.0933	0.6009
1400	18	18.2	0.2516	1.1076	0.0021	1.3613	0.0987	0.4044	0.0849	0.5879
1401	18	18.2	0.2513	1.1076	0.002	1.361	0.0953	0.4046	0.076	0.576
1402	18.7	18.3	0.2511	1.1075	0.0016	1.3602	0.0852	0.4108	0.0688	0.5647
1403	19.1	18.3	0.2517	1.1068	0.0013	1.3598	0.0789	0.4109	0.0647	0.5545
1404	18.3	18.3	0.2527	1.1053	0.0013	1.3593	0.0774	0.4084	0.0615	0.5473
1405	18.6	18.3	0.2527	1.1046	0.0012	1.3584	0.072	0.3934	0.0561	0.5215
1406	17.9	18.4	0.2516	1.1046	0.0005	1.3567	0.077	0.388	0.0586	0.5237
1407	18.2	18.5	0.2518	1.1041	0	1.3559	0.0827	0.3926	0.0639	0.5392
1408	17.7	18.5	0.252	1.1033	0	1.3554	0.0848	0.3902	0.0678	0.5428
1409	18.1	18.4	0.252	1.1032	0.0005	1.3557	0.0918	0.3903	0.0664	0.5485
1410	18.6	18.4	0.2521	1.1032	0.0013	1.3566	0.0973	0.3889	0.0673	0.5536
1411	18.9	18.5	0.2522	1.1033	0.0019	1.3574	0.0949	0.393	0.0687	0.5566
1412	18.8	18.5	0.2521	1.1035	0.0016	1.3571	0.0766	0.3965	0.0666	0.5397
1413	18.2	18.5	0.2522	1.1034	0.0009	1.3565	0.0671	0.3919	0.0683	0.5273
1414	18.5	18.5	0.2518	1.1026	0.001	1.3554	0.0665	0.3998	0.0669	0.5333
1415	18.5	18.5	0.2513	1.102	0.0009	1.3542	0.0683	0.411	0.0658	0.545
1416	19.7	18.6	0.2504	1.1024	0.0003	1.3531	0.0668	0.4085	0.0679	0.5432
1417	18.7	18.7	0.2504	1.1028	0.0005	1.3537	0.0609	0.4121	0.0702	0.5432
1418	17.5	18.8	0.2511	1.1019	0.0008	1.3537	0.0641	0.4187	0.0709	0.5537
1419	18.2	18.9	0.2515	1.1009	0.0007	1.3531	0.0507	0.4352	0.0706	0.5565
1420	18.6	19	0.2519	1.1007	0.0008	1.3534	0.0488	0.4339	0.0686	0.5513
1421	19.1	19.1	0.2518	1.1003	0.0005	1.3526	0.0564	0.4392	0.0626	0.5581
1422	19.1	19.1	0.2518	1.1	0.0004	1.3522	0.048	0.4454	0.0581	0.5515
1423	18.6	19.1	0.2519	1.0998	0.0004	1.3521	0.035	0.4444	0.052	0.5315
1424	19.4	19.2	0.2513	1.0994	0.0005	1.3512	0.0297	0.4444	0.0506	0.5247
1425	19.8	19.3	0.2513	1.0993	0.0006	1.3512	0.0205	0.4434	0.0516	0.5156
1426	19.5	19.3	0.2517	1.1001	0.0006	1.3525	0.0219	0.4394	0.0539	0.5152
1427	19.5	19.3	0.2517	1.1003	0.0005	1.3526	0.0407	0.4209	0.0528	0.5145
1428	20.7	19.5	0.2515	1.1	0.0003	1.3518	0.0526	0.4194	0.0508	0.5229
1429	20.7	19.5	0.2511	1.0993	0.0001	1.3504	0.058	0.4175	0.0558	0.5313
1430	19.5	19.6	0.2509	1.0985	-0.0002	1.3493	0.0595	0.421	0.0575	0.538
1431	18.8	19.7	0.2509	1.0984	0.0001	1.3493	0.0562	0.4353	0.0614	0.5529
1432	19.5	19.7	0.2509	1.0979	0.0003	1.3492	0.0569	0.4496	0.0632	0.5697
1433	19.8	19.8	0.2502	1.0973	-0.0001	1.3474	0.0566	0.4503	0.0598	0.5667
1434	20	19.8	0.2495	1.0963	-0.0005	1.3454	0.0639	0.4464	0.0613	0.5715

1435	19.4	19.8	0.2493	1.0963	-0.0007	1.3448	0.0655	0.4425	0.063	0.5709
1436	19.7	19.7	0.2489	1.0963	-0.001	1.3441	0.0709	0.4396	0.0655	0.576
1437	20.2	19.7	0.2485	1.0952	-0.0018	1.3419	0.0801	0.4414	0.069	0.5905
1438	19.3	19.6	0.2486	1.094	-0.0023	1.3403	0.0958	0.4562	0.0701	0.6222
1439	19.9	19.5	0.2485	1.0926	-0.0027	1.3384	0.0963	0.47	0.0777	0.644
1440	20.1	19.5	0.2483	1.0906	-0.0028	1.3361	0.0981	0.4708	0.0826	0.6515
1441	20.4	19.5	0.2486	1.09	-0.0032	1.3354	0.0929	0.4795	0.0828	0.6552
1442	19.7	19.5	0.2484	1.0896	-0.0036	1.3345	0.0864	0.4888	0.0834	0.6586
1443	19	19.4	0.2482	1.0897	-0.0033	1.3346	0.0907	0.48	0.0894	0.66
1444	19.6	19.4	0.2479	1.0882	-0.0034	1.3327	0.0925	0.484	0.0835	0.6599
1445	19.1	19.4	0.2483	1.0878	-0.0033	1.3327	0.0887	0.4849	0.0829	0.6565
1446	19.1	19.4	0.2491	1.0876	-0.0034	1.3333	0.0787	0.4955	0.0816	0.6557
1447	19.3	19.4	0.2491	1.0869	-0.0029	1.3331	0.0634	0.4955	0.0734	0.6323
1448	18.9	19.4	0.2486	1.0859	-0.0022	1.3323	0.0595	0.5049	0.0649	0.6293
1449	18.7	19.4	0.2488	1.0857	-0.0019	1.3326	0.0677	0.5114	0.0627	0.6419
1450	19.2	19.3	0.2487	1.0852	-0.0013	1.3326	0.0719	0.5099	0.0668	0.6486
1451	19	19.2	0.2483	1.0844	-0.0012	1.3315	0.0697	0.5081	0.0692	0.6471
1452	18.8	19.2	0.2487	1.084	-0.001	1.3316	0.0639	0.5107	0.0696	0.6442
1453	18.6	19.1	0.2486	1.0835	-0.001	1.3311	0.0645	0.5157	0.0684	0.6487
1454	20	19.1	0.2489	1.0838	-0.0008	1.3318	0.0746	0.5051	0.0678	0.6475
1455	20.1	19.1	0.249	1.0837	-0.0014	1.3312	0.0857	0.4955	0.072	0.6531
1456	19.8	19.1	0.2488	1.0824	-0.0022	1.3291	0.0866	0.4963	0.0704	0.6533
1457	19.3	19.2	0.2489	1.0819	-0.0022	1.3286	0.0765	0.5084	0.0612	0.646
1458	19.1	19.3	0.2487	1.0815	-0.0018	1.3284	0.0788	0.5044	0.051	0.6342
1459	18.8	19.5	0.2485	1.0811	-0.0016	1.328	0.0826	0.4995	0.0507	0.6328
1460	18.6	19.6	0.2487	1.0812	-0.0016	1.3283	0.0835	0.5019	0.0556	0.641
1461	19.2	19.7	0.249	1.0813	-0.0016	1.3287	0.0831	0.507	0.0631	0.6532
1462	18.6	19.8	0.2488	1.0819	-0.0017	1.3289	0.087	0.5118	0.0684	0.6672
1463	19	19.9	0.2485	1.0806	-0.0019	1.3272	0.0867	0.5233	0.0675	0.6775
1464	18.7	19.9	0.2486	1.0789	-0.002	1.3255	0.0854	0.5308	0.0665	0.6827
1465	19.4	20	0.2488	1.0784	-0.0024	1.3248	0.0796	0.5347	0.0741	0.6884
1466	20.4	20.1	0.2491	1.0778	-0.0025	1.3244	0.071	0.5414	0.0781	0.6905
1467	21.7	20.2	0.2487	1.0774	-0.0025	1.3237	0.067	0.5492	0.0722	0.6884
1468	21.6	20.3	0.2498	1.0762	-0.0024	1.3236	0.0652	0.5558	0.0661	0.687
1469	21.1	20.5	0.2495	1.076	-0.0022	1.3232	0.0718	0.5472	0.0699	0.6889
1470	20.6	20.6	0.2486	1.0756	-0.0018	1.3224	0.0826	0.5329	0.0742	0.6897
1471	20.9	20.7	0.2484	1.0754	-0.0014	1.3225	0.0831	0.5326	0.0732	0.689

1472	20.9	20.9	0.2491	1.0758	-0.0009	1.3239	0.0731	0.5329	0.0699	0.6759
1473	20.7	21.1	0.2493	1.0757	-0.0009	1.324	0.0653	0.5301	0.0699	0.6652
1474	21.7	21.2	0.2496	1.0755	-0.0012	1.3239	0.0688	0.5191	0.0672	0.6552
1475	22.1	21.4	0.2495	1.0752	-0.0017	1.323	0.0692	0.5129	0.0647	0.6467
1476	21.4	21.4	0.2483	1.0751	-0.0019	1.3215	0.0774	0.5168	0.063	0.6571
1477	20.6	21.4	0.2477	1.0744	-0.002	1.3201	0.093	0.5268	0.064	0.6838
1478	21.5	21.5	0.247	1.0735	-0.0026	1.3179	0.0968	0.529	0.0671	0.6928
1479	21.9	21.6	0.2461	1.073	-0.0028	1.3162	0.1048	0.5283	0.0742	0.7074
1480	20.7	21.7	0.2454	1.0716	-0.0032	1.3139	0.1046	0.531	0.0701	0.7056
1481	22.1	21.7	0.2452	1.0702	-0.0036	1.3118	0.0999	0.5444	0.0713	0.7155
1482	22	21.7	0.2452	1.0694	-0.0037	1.311	0.0799	0.56	0.08	0.7199
1483	22	21.9	0.2449	1.0684	-0.0041	1.3091	0.0764	0.5569	0.0814	0.7146
1484	21.7	21.9	0.2451	1.0672	-0.0045	1.3078	0.0624	0.5509	0.0792	0.6926
1485	22	22	0.245	1.0666	-0.0045	1.3071	0.0523	0.5475	0.0735	0.6733
1486	22	21.9	0.2448	1.0664	-0.0045	1.3066	0.048	0.5479	0.0698	0.6657
1487	21.9	22	0.2443	1.0656	-0.0047	1.3052	0.0423	0.5532	0.0669	0.6625
1488	23.4	22	0.2442	1.0651	-0.0052	1.3041	0.041	0.5507	0.0598	0.6515
1489	22.2	22	0.2443	1.0645	-0.0055	1.3033	0.045	0.549	0.0539	0.6478
1490	21.9	22	0.2446	1.0634	-0.0056	1.3024	0.0525	0.5371	0.0519	0.6415
1491	21.4	21.9	0.245	1.0624	-0.0057	1.3017	0.059	0.5175	0.0531	0.6296
1492	22.9	21.8	0.2449	1.0619	-0.0062	1.3007	0.0694	0.5095	0.0529	0.6318
1493	22.9	21.7	0.2452	1.0612	-0.0057	1.3007	0.0584	0.5257	0.0392	0.6234
1494	22.6	21.6	0.2451	1.0607	-0.0059	1.2999	0.0484	0.5306	0.0338	0.6128
1495	21.2	21.6	0.2454	1.0594	-0.0061	1.2987	0.0486	0.5206	0.033	0.6022
1496	20.9	21.4	0.2463	1.0589	-0.0059	1.2993	0.0413	0.53	0.0357	0.607
1497	21.9	21.3	0.2462	1.0577	-0.0052	1.2987	0.0452	0.5465	0.035	0.6266
1498	21.8	21	0.2455	1.0568	-0.0049	1.2974	0.0476	0.5531	0.0448	0.6455
1499	21.1	20.8	0.2448	1.0569	-0.005	1.2967	0.0393	0.5493	0.0511	0.6398
1500	20.1	20.7	0.2447	1.0568	-0.0049	1.2966	0.0323	0.5549	0.0552	0.6423
1501	19.9	20.6	0.2449	1.0566	-0.005	1.2966	0.0294	0.5498	0.0608	0.64
1502	20.3	20.4	0.2447	1.056	-0.0053	1.2954	0.0277	0.5368	0.0606	0.6251
1503	20.7	20.2	0.2442	1.0563	-0.0055	1.2951	0.0368	0.5301	0.0603	0.6272
1504	21.1	20.1	0.2441	1.0558	-0.0059	1.294	0.0349	0.5229	0.0554	0.6132
1505	19.3	20.1	0.244	1.0549	-0.0059	1.2931	0.0306	0.5318	0.0547	0.6171
1506	18.6	20.1	0.244	1.0538	-0.0056	1.2921	0.0225	0.5312	0.05	0.6036
1507	18.6	20	0.2439	1.0537	-0.0051	1.2925	0.0213	0.5244	0.0451	0.5907
1508	18.4	20	0.2438	1.0533	-0.005	1.2921	0.0225	0.5226	0.0458	0.5909

1509	19.3	20	0.2437	1.053	-0.0051	1.2916	0.0187	0.5192	0.0493	0.5872
1510	19.3	20.1	0.2438	1.0525	-0.005	1.2913	0.018	0.5151	0.051	0.5842
1511	19.4	20.1	0.2435	1.0521	-0.0049	1.2907	0.0255	0.5119	0.0504	0.5879
1512	19.7	20.2	0.2434	1.0511	-0.0051	1.2894	0.0325	0.5119	0.0486	0.593
1513	20	20.2	0.2436	1.0503	-0.0057	1.2882	0.0343	0.5138	0.0456	0.5938
1514	21.1	20.2	0.2439	1.0492	-0.0064	1.2866	0.0439	0.4973	0.0448	0.586
1515	21.2	20.2	0.2442	1.0478	-0.0069	1.2851	0.0599	0.4828	0.047	0.5897
1516	20.8	20.4	0.2437	1.0475	-0.0069	1.2842	0.0679	0.4879	0.0463	0.6021
1517	21	20.5	0.2439	1.0473	-0.0062	1.285	0.0681	0.4922	0.0528	0.6131
1518	21.5	20.6	0.2439	1.0472	-0.0062	1.2848	0.064	0.5023	0.0576	0.6239
1519	21.1	20.6	0.2432	1.0476	-0.0067	1.2842	0.0721	0.511	0.0583	0.6413
1520	20.7	20.6	0.2436	1.0474	-0.0066	1.2845	0.0627	0.5292	0.063	0.6549
1521	21.5	20.6	0.2445	1.047	-0.0065	1.285	0.0418	0.5289	0.0711	0.6418
1522	21.9	20.7	0.2453	1.047	-0.0066	1.2856	0.0317	0.5307	0.071	0.6334
1523	19.9	20.6	0.245	1.0479	-0.0063	1.2866	0.0306	0.533	0.0728	0.6364
1524	20.7	20.7	0.2444	1.0481	-0.006	1.2865	0.0307	0.5294	0.0703	0.6304
1525	21.5	20.7	0.2436	1.0476	-0.0057	1.2855	0.0361	0.5232	0.0663	0.6256
1526	20.8	20.6	0.2424	1.0474	-0.0058	1.2841	0.036	0.5215	0.0594	0.6169
1527	19.7	20.6	0.242	1.0474	-0.0062	1.2833	0.0232	0.5211	0.0552	0.5995
1528	19.3	20.6	0.241	1.0472	-0.0071	1.2811	0.0151	0.5206	0.0528	0.5884
1529	18.8	20.5	0.2406	1.0462	-0.0069	1.2798	0.0098	0.5121	0.0438	0.5657
1530	20.3	20.5	0.2409	1.0441	-0.0073	1.2777	0.0072	0.5018	0.04	0.5489
1531	20.7	20.4	0.2429	1.0423	-0.0079	1.2774	0.0024	0.4878	0.0397	0.5299
1532	19.7	20.3	0.2433	1.0423	-0.0078	1.2777	0.0024	0.4746	0.0388	0.5159
1533	21.9	20.3	0.244	1.0422	-0.008	1.2781	0.0003	0.4777	0.0412	0.5191
1534	21	20.2	0.2443	1.0416	-0.0078	1.2781	-0.0064	0.4721	0.0366	0.5024
1535	20.2	20.1	0.2445	1.0415	-0.0077	1.2783	-0.0049	0.4696	0.0347	0.4993
1536	20.7	20	0.2446	1.041	-0.0077	1.2779	-0.006	0.4655	0.0367	0.4962
1537	20.2	20	0.2443	1.0401	-0.0077	1.2767	-0.0152	0.4659	0.0349	0.4857
1538	20	20.1	0.2441	1.0391	-0.0077	1.2755	-0.0253	0.4603	0.03	0.465
1539	20.6	20.2	0.2433	1.0389	-0.0079	1.2743	-0.0263	0.4557	0.0257	0.4552
1540	20.5	20.1	0.2424	1.0388	-0.0081	1.2731	-0.0187	0.4514	0.0239	0.4566
1541	19.7	20.1	0.2416	1.0391	-0.0085	1.2722	-0.0097	0.4465	0.0243	0.461
1542	19.5	20.1	0.2425	1.0371	-0.0075	1.2721	-0.0041	0.4445	0.0261	0.4665
1543	19.4	20	0.2434	1.0367	-0.0067	1.2733	-0.0056	0.4495	0.0224	0.4663
1544	18.6	19.9	0.243	1.0361	-0.0067	1.2724	-0.0006	0.438	0.026	0.4634
1545	20.1	19.9	0.2442	1.0347	-0.0069	1.272	0.0045	0.419	0.0234	0.4469

1546	19.2	19.8	0.2446	1.033	-0.0069	1.2706	0.0133	0.4099	0.019	0.4423
1547	20.8	19.7	0.2444	1.0315	-0.0074	1.2685	0.0273	0.4073	0.0243	0.4588
1548	19.9	19.7	0.2447	1.031	-0.0073	1.2683	0.0282	0.4089	0.0321	0.4693
1549	19.8	19.6	0.2455	1.0302	-0.0074	1.2684	0.0212	0.4142	0.0375	0.4729
1550	19.4	19.5	0.2458	1.0302	-0.0074	1.2686	0.0159	0.418	0.0384	0.4724
1551	20.2	19.4	0.2455	1.0307	-0.0073	1.269	0.0171	0.4261	0.0394	0.4826
1552	19.4	19.3	0.245	1.031	-0.007	1.2689	0.0289	0.4336	0.0389	0.5014
1553	20.1	19.3	0.2451	1.0312	-0.0065	1.2698	0.0321	0.4322	0.0386	0.5029
1554	20.3	19.3	0.2459	1.0306	-0.0063	1.2701	0.0237	0.4443	0.0382	0.5061
1555	18.5	19.2	0.2467	1.0305	-0.0064	1.2709	0.0179	0.4485	0.0319	0.4984
1556	19	19.2	0.2467	1.03	-0.0067	1.27	0.0107	0.446	0.0319	0.4886
1557	18.8	19.1	0.2466	1.0296	-0.0068	1.2695	0.0072	0.4334	0.0357	0.4762
1558	19.1	19	0.2468	1.0296	-0.0067	1.2697	0.0095	0.4241	0.0412	0.4749
1559	18	18.9	0.2467	1.0296	-0.0067	1.2696	0.0174	0.4168	0.0407	0.475
1560	18.8	18.9	0.2462	1.03	-0.0066	1.2695	0.0199	0.4199	0.0411	0.4809
1561	18.3	18.8	0.2458	1.0301	-0.0065	1.2694	0.0197	0.4238	0.0446	0.4881
1562	19	18.8	0.2454	1.0305	-0.0063	1.2695	0.0156	0.438	0.0467	0.5004
1563	18.6	18.7	0.2441	1.0309	-0.0064	1.2686	0.008	0.4387	0.0449	0.4916
1564	18.3	18.7	0.2426	1.0306	-0.0067	1.2665	0.0066	0.4418	0.0431	0.4915
1565	18.7	18.7	0.242	1.0296	-0.007	1.2646	0.0024	0.4426	0.0391	0.4841
1566	18.3	18.7	0.2423	1.0286	-0.0078	1.2631	-0.0032	0.4253	0.0335	0.4555
1567	18.5	18.7	0.2423	1.0272	-0.0083	1.2613	-0.0125	0.417	0.0319	0.4364
1568	18.7	18.7	0.2426	1.0251	-0.0082	1.2595	-0.0096	0.4166	0.0382	0.4453
1569	18.7	18.7	0.2432	1.023	-0.0085	1.2578	-0.0078	0.4164	0.0383	0.4469
1570	18.7	18.7	0.2444	1.0227	-0.0089	1.2582	-0.0105	0.4192	0.0373	0.446
1571	18.6	18.7	0.2452	1.0224	-0.0085	1.2591	-0.0066	0.4182	0.0394	0.451
1572	19.4	18.7	0.246	1.0225	-0.0082	1.2602	0.0011	0.4203	0.0383	0.4596
1573	18.9	18.7	0.2462	1.0227	-0.008	1.261	0.007	0.423	0.0336	0.4637
1574	18.6	18.7	0.246	1.0231	-0.0079	1.2613	0.0035	0.4297	0.0335	0.4667
1575	19.1	18.7	0.2459	1.023	-0.0076	1.2613	-0.0062	0.4344	0.0337	0.4619
1576	19.2	18.7	0.246	1.0229	-0.0074	1.2615	-0.0079	0.4324	0.0348	0.4594
1577	18.8	18.7	0.2462	1.0223	-0.0073	1.2613	-0.0164	0.4353	0.0352	0.4541
1578	18.2	18.8	0.246	1.0223	-0.007	1.2614	-0.022	0.4419	0.0359	0.4557
1579	18.3	18.8	0.2453	1.0228	-0.0068	1.2613	-0.0291	0.4375	0.0297	0.4381
1580	18.2	18.8	0.2452	1.0229	-0.0071	1.2609	-0.0297	0.4282	0.03	0.4284
1581	18.8	18.9	0.2449	1.0228	-0.0075	1.2602	-0.0267	0.4084	0.0257	0.4075
1582	19.4	18.9	0.2452	1.0216	-0.0078	1.259	-0.0035	0.393	0.0207	0.4102

1583	18.1	18.9	0.2455	1.0211	-0.0078	1.2588	0.0056	0.3924	0.0216	0.4196
1584	18.4	18.9	0.2456	1.0202	-0.0079	1.2579	0.0171	0.3962	0.0221	0.4353
1585	19.1	18.9	0.2457	1.02	-0.0081	1.2575	0.0263	0.394	0.0277	0.4479
1586	18.7	18.9	0.2463	1.0198	-0.008	1.2581	0.0317	0.3993	0.0326	0.4636
1587	19.1	18.9	0.2468	1.0196	-0.0077	1.2587	0.0364	0.4029	0.0338	0.4731
1588	19.4	18.9	0.2468	1.0196	-0.0077	1.2586	0.0374	0.4074	0.036	0.4808
1589	19.6	18.9	0.2462	1.0193	-0.0079	1.2576	0.0335	0.4014	0.0397	0.4746
1590	19.4	19	0.2456	1.0188	-0.008	1.2563	0.0269	0.3983	0.0374	0.4626
1591	19.7	18.9	0.2454	1.0179	-0.0083	1.255	0.027	0.4022	0.0359	0.4651
1592	18.9	18.9	0.2455	1.0169	-0.0084	1.254	0.023	0.4114	0.0334	0.4679
1593	19.6	18.9	0.2452	1.0174	-0.0083	1.2544	0.0352	0.4005	0.0442	0.4799
1594	18.9	18.9	0.2446	1.0188	-0.0082	1.2552	0.052	0.4054	0.0543	0.5118
1595	19.1	18.9	0.2441	1.0184	-0.008	1.2545	0.0549	0.4042	0.0553	0.5143
1596	18.1	18.8	0.2436	1.0182	-0.0083	1.2535	0.0522	0.3952	0.0545	0.5019
1597	18.4	18.8	0.2434	1.0168	-0.0084	1.2518	0.0457	0.3847	0.0549	0.4853
1598	18.9	18.8	0.2434	1.0154	-0.0086	1.2501	0.0305	0.3868	0.05	0.4673
1599	18.7	18.8	0.2432	1.0151	-0.0088	1.2495	0.029	0.388	0.0517	0.4686
1600	18	18.7	0.243	1.0142	-0.0088	1.2483	0.0374	0.3869	0.0533	0.4776
1601	18.9	18.7	0.242	1.0132	-0.0088	1.2464	0.0453	0.3907	0.0549	0.4908
1602	18.8	18.7	0.2415	1.0127	-0.0091	1.2451	0.0439	0.4079	0.0542	0.5061
1603	18.2	18.6	0.2419	1.0119	-0.0093	1.2444	0.034	0.411	0.0569	0.5019
1604	18.1	18.6	0.2423	1.0109	-0.0091	1.2441	0.0336	0.4205	0.0657	0.5198
1605	18.3	18.7	0.2429	1.0103	-0.0091	1.2442	0.0335	0.4259	0.0666	0.526
1606	18.8	18.7	0.2433	1.0104	-0.0092	1.2445	0.0342	0.427	0.0617	0.523
1607	18.4	18.7	0.2429	1.0112	-0.0092	1.245	0.0309	0.4181	0.0528	0.5018
1608	19.6	18.6	0.242	1.0116	-0.0091	1.2446	0.0248	0.4146	0.046	0.4853
1609	18.7	18.6	0.2417	1.011	-0.0092	1.2435	0.0212	0.4126	0.0436	0.4775
1610	18.8	18.6	0.2418	1.0101	-0.0094	1.2425	0.0167	0.4159	0.04	0.4725
1611	19.3	18.6	0.2419	1.0083	-0.0096	1.2407	0.0092	0.4112	0.0396	0.46
1612	18.5	18.5	0.2426	1.0073	-0.0096	1.2402	0.0022	0.4107	0.0423	0.4552
1613	18.7	18.6	0.243	1.0061	-0.01	1.239	-0.0042	0.4182	0.042	0.4559
1614	19.6	18.6	0.2436	1.0049	-0.0103	1.2382	-0.0103	0.415	0.0385	0.4433
1615	18.5	18.6	0.2445	1.0053	-0.0103	1.2396	-0.0253	0.4121	0.0372	0.4239
1616	18.2	18.6	0.2449	1.0058	-0.0101	1.2406	-0.0373	0.4045	0.0349	0.4021
1617	18	18.6	0.2448	1.0056	-0.01	1.2405	-0.0316	0.4027	0.0308	0.4019
1618	17.8	18.6	0.2447	1.0055	-0.01	1.2401	-0.0302	0.3884	0.0268	0.385
1619	18	18.5	0.2443	1.0057	-0.0104	1.2396	-0.0283	0.3703	0.0263	0.3684

1620	18.5	18.5	0.2443	1.0056	-0.0105	1.2394	-0.0185	0.35	0.0255	0.357
1621	18.5	18.6	0.2444	1.005	-0.0103	1.2391	-0.001	0.3459	0.0222	0.3671
1622	18.7	18.6	0.2446	1.0047	-0.01	1.2393	0.0132	0.3487	0.024	0.3859
1623	18.1	18.5	0.2446	1.0049	-0.0097	1.2399	0.0372	0.3492	0.0243	0.4107
1624	18.1	18.4	0.245	1.0047	-0.0094	1.2403	0.0469	0.3506	0.0263	0.4238
1625	19.1	18.4	0.2444	1.0044	-0.0092	1.2396	0.0521	0.3548	0.0283	0.4351
1626	19	18.5	0.2441	1.0039	-0.0093	1.2387	0.0644	0.3554	0.0356	0.4554
1627	18.3	18.4	0.2442	1.0033	-0.0098	1.2377	0.0682	0.3572	0.0431	0.4685
1628	18.3	18.5	0.2439	1.0035	-0.0101	1.2373	0.0741	0.3595	0.0474	0.481
1629	19	18.5	0.2436	1.0033	-0.0099	1.237	0.0696	0.3652	0.0518	0.4867
1630	19.6	18.4	0.2436	1.0032	-0.0099	1.237	0.0596	0.377	0.0523	0.4889
1631	18.7	18.4	0.2433	1.003	-0.01	1.2363	0.0548	0.384	0.0496	0.4883
1632	17.6	18.4	0.2427	1.003	-0.01	1.2358	0.0465	0.3909	0.0434	0.4809
1633	18.4	18.4	0.2423	1.0026	-0.0102	1.2346	0.046	0.377	0.0372	0.4602
1634	18.5	18.3	0.2417	1.0022	-0.0106	1.2333	0.0538	0.3725	0.0349	0.4612
1635	18.9	18.3	0.2413	1.0016	-0.011	1.2319	0.0609	0.3683	0.0348	0.464
1636	17.5	18.3	0.241	1.0007	-0.0111	1.2306	0.0642	0.3698	0.0337	0.4678
1637	18.2	18.3	0.2406	0.9994	-0.0113	1.2287	0.0674	0.3771	0.0383	0.4827
1638	17.7	18.3	0.2407	0.999	-0.0117	1.228	0.0656	0.385	0.0494	0.5001
1639	18	18.3	0.2406	0.999	-0.0116	1.228	0.0596	0.3833	0.0487	0.4916
1640	18.3	18.2	0.2397	0.9986	-0.0117	1.2266	0.0583	0.3876	0.0465	0.4924
1641	17.9	18.2	0.2393	0.9979	-0.0119	1.2254	0.0582	0.4002	0.0495	0.5079
1642	18	18.3	0.239	0.997	-0.0119	1.2241	0.0474	0.4181	0.039	0.5045
1643	17.7	18.3	0.2382	0.9961	-0.0122	1.2221	0.034	0.42	0.0387	0.4927
1644	18	18.3	0.2376	0.9957	-0.0122	1.221	0.0232	0.4328	0.0368	0.4928
1645	18.7	18.2	0.2389	0.9952	-0.0123	1.2218	0.0141	0.4567	0.0329	0.5037
1646	18.6	18.3	0.24	0.9945	-0.0124	1.2221	0.0033	0.4569	0.0302	0.4904
1647	19.4	18.2	0.2413	0.9929	-0.0124	1.2218	-0.0027	0.4576	0.0228	0.4777
1648	17.5	18.1	0.2418	0.9922	-0.0125	1.2215	-0.0045	0.4449	0.0182	0.4586
1649	17.6	18	0.2418	0.9915	-0.0127	1.2206	-0.0067	0.4281	0.0171	0.4385
1650	18.5	17.9	0.2413	0.9911	-0.0129	1.2195	-0.0097	0.4217	0.016	0.428
1651	19.6	17.9	0.2411	0.99	-0.0127	1.2184	-0.0043	0.4129	0.016	0.4246
1652	19.2	17.8	0.2416	0.9898	-0.0127	1.2187	-0.0098	0.4069	0.0155	0.4127
1653	18.3	17.8	0.2418	0.9891	-0.0131	1.2178	-0.0155	0.3993	0.0138	0.3976
1654	18	17.7	0.2425	0.988	-0.013	1.2175	-0.019	0.3951	0.012	0.3881
1655	17.8	17.7	0.2433	0.9878	-0.0126	1.2186	-0.0129	0.3843	0.0141	0.3855
1656	17	17.6	0.2436	0.9882	-0.012	1.2198	-0.0047	0.3738	0.0151	0.3842

1657	15.9	17.6	0.2441	0.9882	-0.0114	1.2209	-0.0012	0.3833	0.012	0.3941
1658	16.1	17.6	0.2447	0.9883	-0.0111	1.2219	-0.0029	0.3952	0.011	0.4033
1659	16	17.7	0.245	0.988	-0.0107	1.2224	-0.0087	0.4011	0.0114	0.4037
1660	17.5	17.8	0.2453	0.9889	-0.0106	1.2235	-0.0107	0.3985	0.0082	0.396
1661	16.4	17.8	0.2456	0.9891	-0.0107	1.2239	-0.0163	0.3908	0.0039	0.3785
1662	18	17.8	0.2458	0.9887	-0.0105	1.224	-0.0206	0.3744	0.0007	0.3544
1663	16.8	17.9	0.2451	0.9894	-0.0102	1.2242	-0.0109	0.3639	0.0005	0.3535
1664	17.7	18	0.2451	0.9894	-0.0104	1.2242	-0.0066	0.3497	-0.004	0.3391
1665	18.1	18.1	0.2457	0.9891	-0.0105	1.2244	-0.0007	0.3357	-0.0095	0.3255
1666	18	18.2	0.2454	0.9884	-0.0109	1.2229	0.0122	0.3362	-0.0088	0.3397
1667	18.3	18.3	0.2453	0.9884	-0.0109	1.2228	0.0209	0.3445	-0.007	0.3584
1668	19	18.5	0.2454	0.9881	-0.0108	1.2226	0.0222	0.3426	-0.0048	0.36
1669	19.5	18.7	0.245	0.9881	-0.0111	1.222	0.0206	0.3477	-0.0034	0.3649
1670	20.1	18.8	0.2445	0.9881	-0.0111	1.2215	0.0163	0.3576	-0.0081	0.3658
1671	19.8	18.9	0.2439	0.9875	-0.0109	1.2205	0.0083	0.3567	-0.0079	0.3571
1672	19.4	18.9	0.2423	0.9875	-0.0107	1.2192	-0.0014	0.3553	-0.0045	0.3495
1673	19.6	19	0.2415	0.9877	-0.0106	1.2186	-0.0052	0.3608	0.0013	0.357
1674	20	19	0.2408	0.9877	-0.0107	1.2178	-0.0061	0.3689	0.0053	0.368
1675	19.1	19	0.2395	0.9875	-0.0112	1.2157	0.0018	0.369	0.0092	0.3799
1676	18.7	19	0.2392	0.9872	-0.0117	1.2147	-0.0041	0.3671	0.0125	0.3754
1677	19.4	19.1	0.2388	0.9864	-0.012	1.2132	-0.0108	0.3633	0.0129	0.3654
1678	19.3	19.1	0.2391	0.9858	-0.0122	1.2127	-0.0101	0.3616	0.0097	0.3612
1679	19.1	19.1	0.2394	0.9851	-0.012	1.2124	-0.0071	0.3724	0.0084	0.3738
1680	18.4	19.1	0.2397	0.9845	-0.0121	1.2121	-0.0018	0.3779	0.0114	0.3875
1681	18.9	19.1	0.2403	0.9837	-0.0118	1.2121	0.0048	0.3824	0.0141	0.4013
1682	18.1	19.1	0.2406	0.9839	-0.0115	1.213	0.0119	0.3884	0.0152	0.4156
1683	17.8	19.1	0.2401	0.9839	-0.0113	1.2127	0.0073	0.3897	0.019	0.416
1684	18.2	19.1	0.2395	0.9834	-0.0114	1.2115	0.0062	0.3896	0.0156	0.4114
1685	19.1	19	0.2392	0.983	-0.0115	1.2107	0.006	0.3929	0.012	0.411
1686	19.1	19	0.2396	0.9821	-0.0119	1.2098	0.0037	0.3954	0.0072	0.4063
1687	19.4	19	0.2403	0.9811	-0.0126	1.2087	-0.0029	0.3852	0.0108	0.3931
1688	20	19	0.2408	0.9812	-0.0126	1.2094	-0.0178	0.3847	0.0109	0.3778
1689	20.2	18.9	0.2403	0.9806	-0.0125	1.2084	-0.0269	0.3968	0.0073	0.3772
1690	18.6	18.9	0.2397	0.9788	-0.013	1.2055	-0.0248	0.4004	0.008	0.3836
1691	20.1	18.8	0.2407	0.9761	-0.0122	1.2046	-0.0384	0.4005	0.0064	0.3685
1692	19.6	18.8	0.2421	0.9749	-0.0123	1.2048	-0.0523	0.3952	0.0046	0.3475
1693	19	18.7	0.2429	0.9741	-0.012	1.2051	-0.0578	0.3878	0.0071	0.3371

1694	18.4	18.7	0.2432	0.9731	-0.0115	1.2048	-0.0638	0.3789	0.0023	0.3174
1695	18.5	18.6	0.2438	0.9727	-0.011	1.2054	-0.0653	0.376	-0.0002	0.3105
1696	18.7	18.5	0.2439	0.9724	-0.0106	1.2057	-0.0523	0.378	0.0004	0.3261
1697	19.1	18.4	0.2439	0.9723	-0.0103	1.2059	-0.045	0.3725	-0.0019	0.3256
1698	18.4	18.3	0.244	0.9726	-0.0104	1.2063	-0.0317	0.3621	-0.002	0.3284
1699	17.6	18.1	0.2442	0.9729	-0.0104	1.2067	-0.0194	0.3509	-0.005	0.3265
1700	17	18.1	0.2434	0.9729	-0.0104	1.2059	-0.0127	0.3416	-0.0076	0.3213
1701	17.9	18.1	0.243	0.9725	-0.0104	1.2051	-0.0168	0.3366	-0.0116	0.3083
1702	17.3	18.1	0.243	0.9728	-0.0105	1.2053	-0.02	0.3277	-0.0088	0.2988
1703	17.4	18.1	0.2438	0.9724	-0.0105	1.2056	-0.0119	0.328	-0.01	0.306
1704	16.9	18.2	0.2436	0.9725	-0.0105	1.2056	-0.0021	0.3225	-0.0141	0.3063
1705	17.8	18.3	0.2434	0.973	-0.0106	1.2058	0.0159	0.3141	-0.0097	0.3204
1706	16.9	18.3	0.2434	0.9721	-0.0104	1.2051	0.0311	0.3123	-0.0024	0.3409
1707	17.4	18.5	0.2432	0.9717	-0.0103	1.2047	0.0405	0.3164	0.0056	0.3626
1708	17.6	18.5	0.2429	0.9715	-0.0102	1.2042	0.0476	0.3218	0.0136	0.383
1709	18.4	18.6	0.2428	0.9712	-0.01	1.2039	0.0593	0.3276	0.0182	0.4051
1710	19.2	18.7	0.2434	0.9711	-0.0098	1.2047	0.0625	0.3314	0.0229	0.4168
1711	19.8	18.7	0.244	0.9709	-0.0096	1.2052	0.0608	0.3496	0.023	0.4335
1712	19.5	18.8	0.2437	0.9709	-0.0097	1.2049	0.0587	0.3643	0.0271	0.45
1713	20	18.9	0.2436	0.9711	-0.0096	1.2051	0.0616	0.369	0.0282	0.4587
1714	19.9	19	0.2437	0.9713	-0.0094	1.2056	0.0596	0.3747	0.0329	0.4672
1715	20.1	19	0.2433	0.9717	-0.0094	1.2056	0.0572	0.3756	0.0317	0.4645
1716	21.4	19.2	0.2429	0.9713	-0.0094	1.2048	0.0594	0.382	0.0318	0.4732
1717	19.3	19.3	0.2426	0.9713	-0.0095	1.2045	0.0524	0.385	0.0262	0.4636
1718	19.4	19.4	0.2426	0.9708	-0.0097	1.2037	0.047	0.3894	0.0267	0.4631
1719	18.7	19.4	0.2426	0.97	-0.0096	1.203	0.0438	0.3873	0.0265	0.4576
1720	19.1	19.5	0.2435	0.9699	-0.0097	1.2036	0.0385	0.3897	0.0247	0.4528
1721	18.3	19.4	0.2445	0.9695	-0.0099	1.2041	0.0348	0.3914	0.0258	0.452
1722	19.5	19.4	0.2451	0.9686	-0.0101	1.2036	0.0309	0.383	0.0275	0.4414
1723	18.4	19.3	0.2453	0.968	-0.0102	1.2031	0.018	0.3886	0.0311	0.4377
1724	19	19.3	0.2448	0.9678	-0.0103	1.2023	0.0105	0.3928	0.0356	0.4389
1725	19.7	19.2	0.2448	0.9677	-0.0105	1.2021	0.0051	0.3901	0.0371	0.4323
1726	19.3	19	0.2452	0.9676	-0.0106	1.2022	-0.0034	0.3953	0.0333	0.4252
1727	19.3	19.1	0.2452	0.9671	-0.0108	1.2016	-0.0065	0.3985	0.0289	0.4209
1728	19.5	19.1	0.2446	0.9662	-0.0109	1.1999	-0.0128	0.4039	0.026	0.4171
1729	20	19	0.2438	0.9656	-0.0111	1.1982	-0.0121	0.4064	0.0248	0.419
1730	18.8	19	0.2431	0.965	-0.0113	1.1968	-0.0146	0.4042	0.0252	0.4147

1731	18.8	19	0.2421	0.9642	-0.0115	1.1948	-0.015	0.3956	0.0263	0.407
1732	18.9	18.9	0.242	0.9641	-0.0119	1.1942	-0.0123	0.3957	0.0288	0.4122
1733	19.4	18.9	0.2417	0.9636	-0.0118	1.1935	-0.0121	0.4087	0.0313	0.4279
1734	17.9	18.9	0.2411	0.9629	-0.0118	1.1922	-0.0205	0.4126	0.0352	0.4273
1735	18.7	18.8	0.2409	0.962	-0.0117	1.1913	-0.0294	0.4111	0.0348	0.4165
1736	19.8	18.7	0.2413	0.9622	-0.0122	1.1913	-0.0296	0.4208	0.0325	0.4237
1737	19.1	18.7	0.2424	0.9609	-0.0124	1.1909	-0.0229	0.4136	0.0308	0.4216
1738	18.2	18.6	0.2434	0.9593	-0.0124	1.1903	-0.0109	0.4036	0.0271	0.4198
1739	18.6	18.4	0.243	0.959	-0.0124	1.1897	0.0003	0.4095	0.0259	0.4356
1740	18	18.4	0.2435	0.9585	-0.0123	1.1897	0.0033	0.4073	0.0299	0.4405
1741	18.3	18.3	0.2446	0.9584	-0.0123	1.1907	-0.0002	0.3924	0.0234	0.4156
1742	18.5	18.3	0.2448	0.9582	-0.0126	1.1904	0.0044	0.3796	0.0322	0.4162
1743	18.2	18.2	0.2445	0.9582	-0.0124	1.1904	0.0117	0.3825	0.0329	0.4271
1744	17.4	18.2	0.2441	0.9581	-0.0122	1.19	0.0154	0.3765	0.0328	0.4246
1745	18.5	18.2	0.2442	0.9574	-0.0124	1.1892	0.0116	0.3728	0.035	0.4194
1746	18.1	18.1	0.2445	0.9573	-0.0122	1.1895	0.0114	0.3772	0.0393	0.4279
1747	17.5	18	0.2445	0.9567	-0.0122	1.1889	0.0068	0.3746	0.0432	0.4247
1748	17.7	18.1	0.2437	0.9571	-0.012	1.1888	0.0047	0.3699	0.0453	0.4199
1749	17.4	18	0.2431	0.9574	-0.0119	1.1885	0.0106	0.3691	0.0441	0.4237
1750	17.7	18	0.243	0.9575	-0.0117	1.1887	0.0129	0.3782	0.0425	0.4336
1751	17.9	18	0.2431	0.9572	-0.0118	1.1885	0.0033	0.3803	0.0412	0.4247
1752	18.4	18	0.2428	0.9571	-0.0117	1.1881	-0.0005	0.3806	0.0416	0.4217
1753	18.8	18	0.242	0.9569	-0.0117	1.1872	-0.0007	0.3873	0.0411	0.4278
1754	17.8	18	0.2409	0.9566	-0.012	1.1855	0.0072	0.3868	0.0414	0.4354
1755	17.7	18	0.2402	0.9566	-0.0123	1.1845	0.0055	0.3918	0.0418	0.4392
1756	18.3	17.9	0.2396	0.9565	-0.0125	1.1835	0.0035	0.4012	0.0414	0.4462
1757	18.3	17.9	0.2394	0.956	-0.0127	1.1826	0.0034	0.3962	0.044	0.4435
1758	18	17.9	0.2387	0.9555	-0.0129	1.1814	0.0018	0.3965	0.0453	0.4437
1759	18.1	17.9	0.2388	0.9549	-0.013	1.1807	-0.0017	0.3987	0.0465	0.4435
1760	18.3	17.9	0.2392	0.9539	-0.0129	1.1802	-0.0032	0.3992	0.0494	0.4453
1761	17.9	17.8	0.2397	0.9526	-0.0134	1.1789	0.004	0.4022	0.0523	0.4585
1762	18	17.7	0.2396	0.9518	-0.0133	1.1781	0.0105	0.405	0.0547	0.4702
1763	17.8	17.6	0.2391	0.9519	-0.0135	1.1775	0.0069	0.4092	0.0552	0.4714
1764	18.4	17.5	0.2394	0.9519	-0.0136	1.1777	0.0064	0.4171	0.0561	0.4796
1765	17	17.5	0.2398	0.9509	-0.0137	1.1771	0.0074	0.4241	0.0596	0.4911
1766	17	17.3	0.2402	0.9499	-0.0135	1.1766	0.0029	0.4331	0.0605	0.4964
1767	17.3	17.2	0.2406	0.9494	-0.0136	1.1765	-0.0025	0.4341	0.0609	0.4925

1768	17.4	17.1	0.241	0.9494	-0.0135	1.1769	-0.0054	0.4397	0.0605	0.4948
1769	17.3	17	0.2412	0.9491	-0.0135	1.1768	-0.0057	0.4378	0.0587	0.4909
1770	16.5	16.9	0.241	0.949	-0.0137	1.1763	-0.0051	0.4333	0.0606	0.4888
1771	16.9	16.7	0.2408	0.9492	-0.0136	1.1764	0.0049	0.4382	0.06	0.5031
1772	16.4	16.6	0.2405	0.9487	-0.0138	1.1754	0.0185	0.438	0.0589	0.5155
1773	16.4	16.5	0.2405	0.9484	-0.0142	1.1747	0.0263	0.4323	0.0562	0.5149
1774	16.4	16.4	0.2403	0.9486	-0.0144	1.1746	0.0285	0.4311	0.0561	0.5156
1775	16.2	16.4	0.2398	0.9479	-0.0145	1.1732	0.0232	0.4336	0.0557	0.5125
1776	15.9	16.4	0.2398	0.9474	-0.0146	1.1726	0.0231	0.438	0.0542	0.5153
1777	15.5	16.4	0.2401	0.946	-0.0146	1.1715	0.0284	0.4425	0.0527	0.5237
1778	16.2	16.4	0.2403	0.9452	-0.0146	1.1708	0.0297	0.4418	0.0514	0.5229
1779	15.9	16.4	0.2408	0.9447	-0.0146	1.1709	0.0217	0.4355	0.0496	0.5069
1780	15.4	16.5	0.2412	0.9449	-0.0147	1.1714	0.0099	0.4325	0.0484	0.4908
1781	15.5	16.5	0.2415	0.9441	-0.0147	1.1709	0.0001	0.4309	0.0463	0.4774
1782	15.5	16.6	0.2418	0.9431	-0.0147	1.1702	-0.0144	0.4255	0.0439	0.455
1783	16.7	16.7	0.2422	0.9426	-0.0148	1.17	-0.0157	0.4294	0.0385	0.4522
1784	17.2	16.8	0.2424	0.9423	-0.0149	1.1698	-0.0211	0.4292	0.0406	0.4487
1785	17.2	16.8	0.2422	0.9409	-0.0147	1.1684	-0.0302	0.4248	0.0416	0.4362
1786	17.4	16.9	0.2419	0.9407	-0.0149	1.1676	-0.0327	0.4182	0.0432	0.4288
1787	17.7	17	0.2414	0.9407	-0.0154	1.1667	-0.0281	0.427	0.0364	0.4354
1788	17.2	17	0.2408	0.9403	-0.0152	1.1659	-0.0108	0.4139	0.0331	0.4362
1789	17.7	17.2	0.24	0.9398	-0.0155	1.1643	0.0055	0.3945	0.0339	0.4339
1790	16.8	17.3	0.2397	0.9395	-0.0153	1.164	-0.0003	0.396	0.0348	0.4305
1791	18.3	17.4	0.2402	0.9382	-0.0154	1.1629	0.0079	0.3947	0.0364	0.4389
1792	18.6	17.5	0.2409	0.9367	-0.0156	1.162	0.0255	0.3993	0.0372	0.4621
1793	17.7	17.6	0.2414	0.9365	-0.0153	1.1626	0.0298	0.4034	0.033	0.4662
1794	17.3	17.6	0.2421	0.9358	-0.015	1.1629	0.026	0.4101	0.0372	0.4733
1795	17.8	17.6	0.2426	0.935	-0.015	1.1626	0.0182	0.4149	0.0411	0.4742
1796	17	17.6	0.2432	0.935	-0.0149	1.1632	0.0202	0.4105	0.0389	0.4696
1797	17	17.5	0.2434	0.9353	-0.0148	1.1639	0.0264	0.4149	0.0428	0.484
1798	18.2	17.5	0.243	0.9357	-0.0148	1.1639	0.0268	0.4115	0.0438	0.4821
1799	18.2	17.8	0.2429	0.9351	-0.0146	1.1633	0.0127	0.4275	0.0484	0.4886
1800	17	17	0.2431	0.9349	-0.0145	1.1634	0	0.4419	0.0504	0.4922